CRPL-F 235 PART A

FOR OFFICIAL USE

PART A

IONOSPHERIC DATA

ISSUED
MARCH 1964

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 235
PART A

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CENTRAL RADIO PROPAGATION LABORATORY
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Issued
18 Mar. 1964

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CONTENTS

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The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and distribution of ionospheric and related geophysical data. Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," of the CRPL-F series present a variety of data in convenient form for use in research in radio propagation and the ionosphere and in other geophysical problems.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into the median determination (count) for all ionospheric characteristics listed. Also, when available, the upper and lower quartile values indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and M(3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods.

Beginning with CRPL-F221, Part A, "Ionospheric Data," the hourly median values for the graphs of critical frequencies and M(3000)F2 were plotted by machine methods instead of manually, as in earlier issues. Graphs of critical frequencies and M(3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are available from the CRPL and the IGY World Data Center for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with the original data. The tables and graphs now show the ionospheric data as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data rests entirely with the originator.

Medians of data for the U.S. stations are computed in accordance with the recommendations of the World-Wide Soundings Committee. Data will appear in the F series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevir, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1963, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	10	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	49
1962	45	42	40	39	39	38	37	35	33	31	30	30
1963	29	30	30	29	29	28	28	27				
1964												

Units of Ionospheric Data Tables

foF2, foEs - - - Tenths of a megacycle
foF1, foE - - - Hundredths of a megacycle
h'F2, h'F, h'E - Kilometers
M(3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

THE IONOSPHERIC DATA GIVEN IN TABLES 1 TO 100 AND FIGURES 1 TO 100 WERE ASSEMBLED BY THE CENTRAL RADIO PROPAGATION LABORATORY FOR ANALYSIS, CORRELATION AND DISTRIBUTION. THE FOLLOWING ARE THE SOURCES OF THE DATA IN THIS ISSUE.

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- GRAND BAHAMA I.
- OKINAWA I.
- WHITE SANDS, NEW MEXICO

NATIONAL BUREAU OF STANDARDS, UNITED STATES OF AMERICA (CENTRAL RADIO PROPAGATION LABORATORY)
- HUANCAYO, PERU (INSTITUTO GEOFISICO DEL PERU)
- MAUI, HAWAII
- WASHINGTON, D.C.

ACADEMY OF SCIENCES OF THE U.S.S.R. SOVIET GEOPHYSICAL COMMITTEE
- MOSCOW, U.S.S.R.

When a "less than" sign occurs on the graph of the E-layer frequency and a qualifying E is not found in the table, the corresponding descriptive E (which at times means "less than") was not printed in the table.

TABLES OF IONOSPHERIC DATA

July 1963 - June 1959

TABLE 1

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 42	U 38	U 37	U 34	30	30	40	49	53	50	52	55	56	61	63	61	65	67	69	68	D 62	51	45	40
	CNT	18	19	19	22	23	27	28	27	25	24	24	25	24	25	15	20	21	23	24	23	22	18	17	20
	UQ	49	48	43	36	33	32	41	50	59	60	61	58	64	66	71	68	68	71	75	75	70	54	49	45
	LQ	32	36	34	30	28	25	36	44	48	48	48	47	48	54	60	54	56	57	62	63	58	49	40	36
h'F2	MED							310	290	300	340	380	379	380	350	345	338	325	301	E 280					
	CNT							5	25	27	22	26	27	25	27	17	23	22	24	28	2				
	UQ							375	332	350	422	450	520	450	393	370	398	356	319	300					
	LQ							272	268	270	295	310	350	332	330	326	320	310	295	270					
h'F	MED	E 279	E 278	260	E 268	E 268	270	240	E 230	208	200	190	195	214	200	E 200	E 220	E 220	E 230	238	240	230	E 240	E 260	E 270
	CNT	28	31	28	28	29	30	28	25	22	22	22	20	20	19	8	17	13	19	18	28	28	25	24	29
	UQ	294	290	278	280	289	290	250	252	230	225	200	210	235	220	220	240	220	260	252	252	240	265	285	290
	LQ	270	250	250	250	255	245	230	210	198	195	183	180	200	190	185	210	210	210	227	235	220	228	248	256
M(3000)F2	MED	U 300	U 310	U 310	310	310	U 318	335	325	325	312	290	288	282	295	295	300	305	310	320	325	U 322	305	308	305
	CNT	17	17	18	20	20	26	27	25	23	22	22	24	22	24	15	19	20	21	24	21	18	15	16	20
	UQ	310	318	320	322	320	325	345	338	345	330	320	300	295	300	310	305	315	310	328	330	340	330	315	312
	LQ	290	300	300	300	300	310	310	310	290	260	255	250	270	275	290	285	290	300	310	312	310	300	298	298
foF1	MED								365	400	420	430	U 430	440	440	430	430	400	390						
	CNT								6	16	16	19	19	21	18	6	17	11	14						
foE	MED							D 160	D 228	D 270	D 290	D 300	D 300	D 320	325	330	322	300	D 255	195					
	CNT							8	20	21	17	19	19	17	19	13	20	20	18	14					
h'E	MED							120	110	105	104	103	102	105	105	106	105	108	E 110	111					
	CNT							13	29	28	27	27	28	26	29	22	26	24	23	20	2				
foEs	MED	35	32	36	34	32	30	25	35	40	38	54	52	47	44	51	44	43	53	49	40	40	37	43	32
	CNT	25	27	25	24	22	19	29	29	29	26	28	29	27	28	21	24	24	26	27	26	26	22	23	27

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JULY, 1963

TABLE 2

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	49	U 43	U 40	D 42	D 40	U 40	39	55	56	55	55	56	60	65	68	79	81	86	90	80	D 67	U 52	U 50	47
	CNT	10	7	7	10	10	7	22	28	29	25	26	25	23	25	26	24	27	28	26	27	25	19	19	15
	UQ	55	50	56	49	44	48	41	58	62	60	59	60	65	71	77	82	89	94	103	90	80	60	56	54
	LQ	43	36	34	33	37	31	37	50	54	54	51	50	56	58	59	68	76	74	76	70	56	45	45	36
h'F2	MED								270	E 266	300	344	379	390	370	370	363	352	312	275	E 250				
	CNT							2	25	26	21	24	25	23	25	26	24	27	28	26	13				
	UQ								290	280	330	410	460	419	400	416	391	370	347	290	265				
	LQ								250	260	279	330	338	349	344	340	332	320	300	262	224				
h'F	MED	E 310	E 300	E 300	E 269	E 260	E 269	E 250	230	220	E 214	200	200	208	E 227	E 219	E 222	230	235	E 236	E 240	E 240	E 282	E 296	E 308
	CNT	19	20	22	25	23	19	26	25	26	18	19	16	12	11	11	10	13	13	12	22	26	20	25	22
	UQ	340	320	314	300	303	300	270	244	230	230	211	254	229	328	238	240	240	256	246	250	249	300	305	340
	LQ	300	276	260	260	245	250	239	220	210	202	190	180	184	198	200	210	220	212	224	231	218	235	260	300
M(3000)F2	MED	290	U 310	U 300	U 302	U 300		335	340	350	335	312	290	290	295	278	280	290	300	325	335	330	305	U 305	295
	CNT	7	6	5	8	5	3	22	27	29	24	26	25	26	25	26	24	27	27	25	26	19	16	17	10
	UQ	305	315	310	312	320		360	360	360	345	320	308	300	300	290	295	300	315	340	350	350	332	310	300
	LQ	280	290	292	295	298		315	325	340	308	280	272	275	278	265	275	275	295	312	320	315	288	292	280
foF1	MED										420	430	440	440	U 440	430	430	410	400						
	CNT								3	2	7	15	16	11	12	11	11	12	10						
foE	MED																								
	CNT									1	1		1		3	2	1	3							
h'E	MED									E 111	110	110	E 110	110	E 112	E 110	E 112	E 111							
	CNT								2	19	22	19	20	18	15	18	13	12	4						
foEs	MED	41	45	49	54	41	40	36	39	51	56	56	51	55	60	57	61	59	56	60	44	44	53	49	50
	CNT	17	19	20	21	19	17	19	28	29	30	31	29	29	29	29	29	29	29	27	24	20	21	12	15

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JULY, 1963

TABLE 3

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		U 44	U 42	U 38	U 35	U 32	36	49	52	52	56	64	73	80	89	92	97	99	105	96	70	57	54	49
	CNT	29	29	30	27	29	30	31	31	31	30	30	31	31	31	31	31	31	31	31	30	31	31	30	29
	UQ	54	56	52	44	39	36	38	53	58	57	62	69	78	87	94	102	106	109	110	110	90	64	59	56
	LQ	41	40	37	34	30	26	33	45	48	50	52	58	68	75	81	89	90	91	88	81	58	49	47	42
h'F2	MED							238	292	338	368	442	429	428	400	368	343	325	297	264	235				
	CNT							5	16	25	22	30	31	30	29	29	30	31	31	30	19				
	UQ							452	324	402	468	535	449	442	414	383	362	344	313	282	246				
	LQ							230	271	301	318	381	395	407	386	350	332	305	284	256	223				
h'F	MED	E 270	E 262	E 255	244	251	250	242	215	202	194	E 198	E 200	200	E 210	217	E 214	E 225	220	E 225	224	222	E 240	255	E 255
	CNT	30	31	31	28	26	29	28	24	23	24	21	21	19	15	17	18	14	13	15	15	24	25	27	27
	UQ	288	283	265	271	281	272	256	220	209	201	209	207	207	217	230	225	229	226	225	235	232	269	280	282
	LQ	261	246	230	228	243	235	226	205	193	191	186	178	187	189	202	205	220	210	218	217	213	220	242	245
M(3000)F2	MED	305	U 315	U 325	U 332	U 315	U 320	340	330	310	295	265	265	265	270	280	290	300	310	330	340	335	310	305	308
	CNT	26	25	24	22	22	25	31	31	31	27	30	29	31	31	31	31	31	31	31	30	31	28	27	26
	UQ	315	325	338	340	335	340	360	340	330	315	280	270	270	275	285	295	305	320	335	350	355	322	315	315
	LQ	295	302	305	310	300	310	315	310	295	270	255	255	255	265	275	280	290	300	320	330	310	300	305	300
foF1	MED								350	400	420	430	440	440	440	430	420	410	390	U 360					
	CNT							2	6	19	20	25	26	26	20	22	23	20	15	5					
foE	MED								U 215	270	300	D 312	U 335	348	U 350	340	325	300	270	D 218					
	CNT							2	13	16	25	16	9	8	12	12	17	22	17	14	1				
h'E	MED						U 124	U 111	109	105	103	102	102	102	102	102	103	105	106	111					
	CNT				1	4	9	9	30	28	31	31	30	30	30	30	30	29	26	20	1	2	1	1	
foEs	MED	30	25	24	22	22	22	22	28	34	42	41	42	43	44	44	40	41	44	33	32	37	37	31	26
	CNT	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	31	31	31	31	31	31	31	31	31

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. JULY, 1963

TABLE 4

WASHINGTON, D.C. (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	37	35	32	29	26	32	40	45	48	50	50	50	50	50	51	52	54	55	57	59	60	53	46	43
	CNT	27	25	24	27	28	30	28	27	28	25	28	27	28	27	29	29	30	29	29	30	26	27	27	28
	UQ	42	38	33	31	28	35	44	50	54	56	55	55	54	56	54	56	58	60	62	66	64	57	50	47
	LQ	32	30	28	26	23	30	36	40	44	46	48	46	48	48	47	49	50	52	52	54	55	48	41	36
h'F2	MED																E								
	CNT						2	290	312	340	350	355	388	425	402	390	370	360	325	302	255				
	UQ							19	24	25	26	26	26	28	28	25	27	30	27	26	27				
	LQ							470	388	495	415	410	430	508	492	452	400	380	335	310	265				
								250	290	308	320	345	325	355	370	350	335	325	310	280	240				
h'F	MED	U 255	U 260	265	275	270	E 240	220	218	208	205	200	E 202	E 208	200	200	210	210	210	230	235	E 235	U 240	250	255
	CNT	29	28	27	28	29	30	29	26	24	24	24	26	24	24	25	27	28	24	21	17	28	29	29	30
	UQ	268	270	290	300	300	250	235	225	228	220	235	220	210	210	230	230	220	230	250	245	240	255	270	275
	LQ	240	245	250	250	258	230	210	205	200	195	182	180	185	188	180	200	202	205	220	225	230	225	240	240
M(3000)F2	MED	310	310	310	310	310	335	325	330	312	310	310	300	282	290	285	295	300	310	310	320	320	310	310	310
	CNT	27	25	24	27	28	30	28	25	26	25	26	26	24	26	24	27	30	27	26	29	25	27	26	27
	UQ	320	320	320	320	312	345	345	340	330	325	315	320	300	310	300	310	315	315	320	330	330	320	320	320
	LQ	300	290	295	300	300	320	300	300	270	288	280	280	258	270	275	280	280	300	300	310	310	305	300	300
foF1	MED							330	390	400	420	430	440	440	440	435	420	420	400	U 350					
	CNT							9	21	25	26	26	25	27	27	28	28	29	24	7					
foE	MED							U 220	252	290	310	315	320	U 330	330	330	320	300	270	230					
	CNT							10	22	21	20	16	15	18	14	15	20	24	25	24	4				
h'E	MED							109	103	101	101	101	101	101	101	101	101	101	103	107	E 119				
	CNT					1	29	30		30	30	30	30	30	30	28	28	30	30	29	10				
foEs	MED	34	35	37	39	36	22	26	33	40	42	44	40	40	40	39	40	D 34	34	40	44	38	39	40	39
	CNT	15	21	19	19	16	21	29	30	30	30	30	30	30	30	30	30	30	30	30	30	27	24	21	19

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE, 1963

TABLE 5

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	45	41	40	33	28	26	21	50	62	67	66	62	61	65	65	64	65	69	67	60	58	62	55	48
	CNT	28	27	26	23	21	18	24	30	30	30	30	29	29	28	27	28	29	30	30	29	28	25	25	26
	UQ	53	48	46	42	34	30	26	52	65	71	69	67	66	70	70	70	70	72	72	64	64	66	61	55
	LQ	40	38	35	29	22	19	19	48	59	62	60	60	59	62	62	61	62	63	64	56	55	54	50	46
h' F2	MED										315	358	378	390	378	355									
	CNT									4	11	18	22	20	20	11	4								
	UQ										360	385	400	415	398	375									
	LQ										300	345	365	365	362	345									
h' F	MED	235	230	240	240	250	265	E 300	235	220	208	195	195	195	188	190	190	200	235	258	270	260	248	230	235
	CNT	28	27	26	26	22	21	26	30	30	30	30	29	28	28	28	28	29	30	30	29	29	26	26	27
	UQ	245	245	250	260	265	278	315	240	225	210	200	200	195	190	195	195	208	240	260	285	275	255	250	245
	LQ	225	225	220	235	235	252	275	235	220	200	190	185	185	185	185	188	190	225	255	248	250	230	220	225
M(3000)F2	MED	335	335	335	335	332	328	300	320	300	280	270	265	262	260	265	260	270	280	290	290	300	310	330	335
	CNT	28	27	25	19	20	18	19	30	29	29	30	29	26	28	27	28	28	30	30	27	28	25	24	26
	UQ	345	350	350	345	350	335	315	330	310	290	270	260	275	270	270	272	280	290	300	310	310	335	342	345
	LQ	320	330	325	320	320	320	280	315	290	268	260	260	255	250	255	245	265	270	285	280	290	302	318	325
fo F1	MED											430	440	440	435	425									
	CNT										3	14	22	22	22	8									
fo E	MED							U 200		U 265	U 302	U 332	U 350	U 355	U 345	U 335	U 305	U 260	U 210						
	CNT							25		21	22	18	20	16	18	24	27	25	21						
h' E	MED							119		109	105	103	105	105	105	107	106	109	119						
	CNT							26		29	30	30	29	28	28	28	28	29	28						
fo Es	MED	20					18		48	59	63	66	65	66	64	66	60	58	47	42	44	38	40	37	
	CNT	9	12	9	10	8	6	11	30	30	29	30	29	28	28	28	28	29	30	10	11	11	9	6	3

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE 48 SECONDS. JUNE, 1963

TABLE 6

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 36	U 32	29	U 25	U 24	32	41	48	50	52	54	54	54	56	57	56	58	60	62	67	64	57	U 46	40
	CNT	19	18	15	16	14	22	29	26	27	24	24	26	27	27	27	28	28	29	30	30	28	21	22	20
	UQ	37	34	30	27	25	37	47	52	57	56	56	58	58	58	58	60	62	64	71	71	68	58	50	42
	LQ	31	29	27	24	22	31	38	44	43	46	48	51	51	51	51	50	53	52	55	60	57	50	42	36
h' F2	MED							300	321	340	340	360	375	360	375	368	340	327	300	E 286					
	CNT							20	24	26	23	23	26	26	26	27	29	28	29	30	1				
	UQ							445	370	410	395	410	425	420	420	412	410	358	325	300					
	LQ							290	295	296	295	310	340	340	330	340	322	310	290	270					
h' F	MED	E 272	E 284	E 290	E 298	E 300	E 260	238	E 222	210	204	195	188	200	205	208	218	220	225	250	250	238	240	242	E 265
	CNT	24	22	22	24	19	24	29	24	26	26	25	25	26	26	25	25	23	21	18	30	30	30	30	28
	UQ	300	312	300	300	320	265	250	230	220	220	209	200	210	210	220	220	228	245	265	260	250	260	270	278
	LQ	264	260	270	280	290	236	231	209	203	200	181	180	185	180	200	206	210	216	240	240	225	230	230	248
M(3000)F2	MED	300	U 305	300	U 300	310	330	330	320	310	310	305	300	300	290	295	300	300	310	310	320	320	315	310	U 310
	CNT	15	13	9	11	12	22	28	25	25	23	23	26	26	27	27	28	28	28	28	28	26	20	20	14
	UQ	310	310	315	315	320	340	340	335	330	335	330	305	310	305	300	305	310	312	320	325	325	320	320	315
	LQ	290	300	290	300	302	320	305	302	280	290	290	280	280	270	280	285	290	300	302	310	310	310	302	300
fo F1	MED							340	390	415	430	440	450	450	450	445	430	410	380						
	CNT							10	20	24	24	25	25	26	25	24	24	23	13	1					
fo E	MED							U 222	U 250		U 308	U 335	U 340		U 340	U 330	U 315	U 300							
	CNT					3	6	6		4	12	8	5	4	8	10	16	12	3						
h' E	MED					117	112	109		106	106	106	105	105	106	108	108	107	110	118					
	CNT					5	21	26		25	24	22	24	22	23	22	25	24	27	23					
fo Es	MED	48	44	41	40	47	D 20	24	30	35	34	34	35	36	D 34	36	34	32	32	32	43	39	38	32	54
	CNT	10	10	10	8	9	16	28	28	25	27	26	27	29	28	25	28	28	31	29	21	20	17	13	6

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MAY, 1963

TABLE 7

WHITE SANDS, NEW MEXICO (32.3N, 106.5W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	37	36	35	U 35	32	33	45	53	55	57	58	59	60	61	68	67	67	64	65	67	62	50	40	37
	CNT	20	22	23	21	18	25	29	27	26	26	26	26	30	30	31	30	31	28	29	30	30	23	18	20
	UQ	42	39	38	38	36	38	52	60	62	64	63	64	67	69	74	77	72	70	68	70	69	57	46	44
	LQ	34	33	33	30	29	31	42	47	51	51	52	55	56	57	60	63	60	61	61	63	59	44	35	34
h' F2	MED							284	303	300	328	E 380	370	E 348	350	330	317	305	E 294	260					
	CNT							12	26	25	26	25	26	28	29	30	30	31	28	25					
	UQ							315	340	324	380	432	438	394	400	355	328	319	301	272					
	LQ							270	272	281	304	318	340	328	334	314	302	290	276	252					
h' F	MED	E 300	E 300	E 290	E 270	E 281	E 266	230	E 212	200	200	200	200	201	200	E 220	E 225	216	210	E 240	236	229	225	E 285	E 300
	CNT	26	26	26	27	22	26	28	26	23	20	22	25	30	26	29	24	26	20	23	30	30	25	18	24
	UQ	310	305	300	300	300	277	234	230	210	211	210	228	237	215	232	240	240	223	250	250	240	255	310	320
	LQ	284	280	270	252	260	250	221	209	195	198	192	178	190	190	195	220	210	210	229	230	220	220	265	280
M(3000)F2	MED	295	300	305	U 305	310	320	332	320	325	308	290	290	295	290	300	310	310	320	325	330	335	330	300	300
	CNT	19	16	18	14	15	22	28	26	26	26	25	25	28	28	30	25	30	27	29	30	28	22	14	14
	UQ	310	300	310	325	320	335	340	340	340	315	308	302	310	298	310	310	320	330	332	335	340	340	315	305
	LQ	285	288	295	300	300	310	318	305	305	285	280	275	285	285	295	300	305	310	318	320	325	315	295	295
fo F1	MED								380	410	440	450	450	460	450	450	440	420	390						
	CNT							4	17	21	19	22	23	29	26	28	24	26	13	1					
fo E	MED									U 290		U 330	U 340	U 350		U 340		U 300	U 265						
	CNT							3	2	6	4	9	5	7	3	5	3	10	9						
h' E	MED							E 119	106	100	104	105	105	105	100	106	105	105	E 110	E 115					
	CNT							17	27	27	30	29	27	28	23	28	26	25	25	17					
fo Es	MED	32	40	37	38	37	32	26	33	38	40	50	44	41	42	38	43	37	36	30	37	46	55	47	40
	CNT	18	16	13	13	12	12	28	28	29	30	31	30	31	30	31	29	29	29	27	19	20	17	21	20

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MAY, 1963

TABLE 8

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	55	48	48	38	34	30	31	59	75	81	77	74	72	71	71	75	75	73	72	65	63	64	62	57
	CNT	26	29	29	28	28	28	27	31	31	31	31	31	31	31	31	30	30	31	31	31	31	28	27	27
	UQ	58	54	52	45	41	34	35	62	78	86	84	78	75	75	77	78	77	77	77	73	69	69	65	59
	LQ	49	44	40	32	26	24	23	55	70	73	73	70	69	69	67	68	70	70	69	61	59	61	58	53
h' F2	MED										E 325	325	355	360	365	350									
	CNT									2	7	17	22	21	20	7	2	1							
	UQ										330	352	365	380	382	410									
	LQ										300	320	345	355	352	325									
h' F	MED	225	225	225	235	255	260	280	235	220	215	200	200	195	190	190	190	200	240	260	275	270	250	230	230
	CNT	29	30	30	29	29	30	31	31	31	31	31	30	31	31	31	30	30	31	31	31	31	31	27	30
	UQ	232	230	235	248	265	280	285	240	225	215	210	200	200	200	195	195	205	245	270	295	290	265	240	240
	LQ	220	220	220	230	240	245	265	235	220	205	200	190	190	190	185	185	195	235	250	255	250	240	220	225
M(3000)F2	MED	345	345	345	330	330	325	305	335	310	280	265	260	255	260	255	265	272	275	280	280	290	310	330	335
	CNT	26	29	28	25	28	27	27	31	31	31	31	30	31	31	31	29	30	31	31	31	31	27	26	27
	UQ	350	350	350	342	335	340	320	340	320	295	280	270	260	270	260	270	275	285	300	295	305	320	340	345
	LQ	340	332	335	320	312	320	290	320	300	275	255	255	250	250	250	260	260	260	270	270	275	295	320	325
fo F1	MED											440	450	450	440										
	CNT										2	9	15	16	12	3									
fo E	MED									U 220	U 275	U 315	U 340	U 348	U 355	U 350	U 340	U 312	U 270	U 210					
	CNT							3	25	22	25	20	6	9	16	22	24	23	23						
h' E	MED								119	113	109	109	109	107	107	107	107	109	119						
	CNT							3	31	30	30	31	31	31	31	31	30	30	24	1					
fo Es	MED	33							46	53	63	67	68	68	67	65	64	60	49	46	43	41	38		
	CNT	7	9	5	5	5	5	5	31	31	30	31	30	31	31	31	29	30	31	13	13	15	8	4	4

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE 48 SECONDS. MAY, 1963

TABLE 9

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	66	66	58	44	37	27	33	65	79	82	78	74	74	79	85	90	89	85	82	74	72	72	72	68
	CNT	16	22	21	24	26	26	26	29	29	30	30	29	30	29	30	30	30	30	30	28	19	14	15	14
	UQ	74	71	60	48	41	35	38	66	82	87	86	82	81	84	91	94	93	92	87	80	74	76	81	76
	LQ	54	58	47	33	24	20	31	61	75	76	71	70	70	72	77	81	81	76	75	66	66	64	62	61
h'F2	MED											330	345	355	355	330									
	CNT									3	4	17	16	23	20	11	3		1						
	UQ											340	362	375	382	360									
	LQ											305	340	340	335	325									
h'F	MED	220	215	220	230	235	245	262	235	220	215	205	200	195	195	190	190	195	235	260	295	290	260	235	220
	CNT	29	30	30	29	28	27	30	29	29	30	30	30	30	29	30	30	30	29	30	29	21	20	21	23
	UQ	230	220	225	238	245	255	275	235	225	220	210	200	200	200	195	195	200	240	265	318	320	275	240	230
	LQ	215	210	215	225	230	240	260	230	220	215	200	195	195	190	190	190	190	230	255	270	262	250	220	215
M(3000)F2	MED	338	340	345	340	340	338	320	340	320	276	268	265	265	265	268	275	270	270	265	265	280	305	320	340
	CNT	16	19	18	21	23	26	25	29	29	30	30	29	29	27	30	27	21	29	30	28	19	14	13	13
	UQ	340	350	350	350	350	350	330	348	330	305	275	270	270	270	275	285	280	282	285	282	290	320	332	348
	LQ	330	340	340	332	330	330	310	330	298	265	260	260	260	260	260	265	260	255	250	250	265	290	310	320
foF1	MED											440	440	440	440										
	CNT											6	13	12	14	4									
foE	MED								220	275	320	340	350	355	350	345	320	270	220						
	CNT							4	25	23	24	28	[illegible]	[illegible]	14	21	27	26	17						
h'E	MED								119	113	109	109	109	107	105	109	109	109	119						
	CNT							7	29	27	29	26	29	8	17	30	30	29	27	1					
foEs	MED	31	41	43	40	24		14	24	59	68	73	72	7	70	67	63	[illegible]	56	20		28	39	33	40
	CNT	7	10	4	1	13	12	15	29	28	32	30	31	23	19	30	30	19	29	11	1	8	9	10	7

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE 48 SECONDS. APRIL, 1963

TABLE 10

TROMSO, NORWAY (69.7N, 19.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		27	20	18	16	17	16		18	26	34	42	46	44	40	31	25	18						
	CNT	1	5	5	8	13	13	9	3	14	22	23	24	21	21	23	19	13	14	2		1			2
	UQ		28	22	22	23	20	18		19	32	40	44	52	56	46	37	18	21						
	LQ		23	17	18	16	16	15		18	23	33	41	44	4	36	26	24	17						
h'F2	MED																								
	CNT												1	3	1										
	UQ																								
	LQ																								
h'F	MED					290	265				245	235	220	220	215	215	210	215	240						
	CNT		1	1	3	6	5	4	1	3	20	19	19	19	21	23	20	11	6						
	UQ					295	270				255	245	235	235	230	225	240	245	240						
	LQ					290	260				240	225	210	210	210	210	210	210	225						
M(3000)F2	MED				290	290				310	[illegible]	330	335	335	335	335	310		315						
	CNT	1	3	4	5	8	4			7	16	18	22	20	20	19	9	4	6						
	UQ				290	300				310	345	335	335	345	335	335	335		320						
	LQ				275	290				293	310	320	320	330	325	320	310		310						
foF1	MED																								
	CNT																								
foE	MED										[illegible]					110									
	CNT			1		1	3	2	1	5	8	5	2	4	3	7	4	2	3						
h'E	MED											140	110	110	140	145									
	CNT			1		1	3	2	2	2	4	4	4	7	5	7	5	3	3						
foEs	MED	40	40	32	32	31	24	30	30	25	17	25	20	23	27	29	26	30	24	35	43	4	37	4	37
	CNT	19	23	23	24	22	20	15	15	18	21	20	18	21	20	17	10	19	22	22	25	27	24	23	20

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1963

TABLE 11

KIRUNA, SWEDEN (67.8N, 20.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED										[illegible]	[illegible]	[illegible]												
	CNT										[illegible]	[illegible]	[illegible]	[illegible]											
h'E	MED											[illegible]													
	CNT											[illegible]													
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

TABLE 12

SODANKYLA, FINLAND (67.4N, 26.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
h'E	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	320			310					310	352	360	360	360	360	365	370	360	345	350					
	CNT																								
	UQ																								
	LQ																								
fo F	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

JANUARY, 1963

TABLE 14

TROMSO, NORWAY (69.7N, 19.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																					40	40	41	42
	CNT																					26	26	25	20

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. DECEMBER, 1962

KIRUNA, SWEDEN (67.8N, 20.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

SWEEP 0.8 MC TO 15.0 MC IN 30 SECONDS.

SODANKYLA, FINLAND (67.4N, 26.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h E	MED																								
	CNT																								
fo Es	MED																					29	35	28	34
	CNT																					25	23	25	26

SWEEP 1.4 MC TO 22.0 MC IN 8 MINUTES, AUTOMATIC. DECEMBER, 1962

TABLE 17

LYCKSELE, SWEDEN (64.7N, 18.8E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	295	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
h'E	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	29	31	31
	CNT	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	28	29

SWEEP [illegible] MINUTE. DECEMBER, 1962

TABLE 18

NURMIJARVI, FINLAND (60.5N, 24.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				17						35	42	48	54	58	[illegible]	47	[illegible]	[illegible]	26					
	CNT				[illegible]						3	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3					
	UQ										36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ										[illegible]	[illegible]	[illegible]	44	[illegible]	40	[illegible]	[illegible]	[illegible]	[illegible]					
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	400	335	300	325
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	8
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	305	[illegible]	[illegible]	370	365
	LQ	[illegible]	[illegible]	298	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230	280	[illegible]	300	295
M(3000)F2	MED				31						340	[illegible]	360	[illegible]	[illegible]	[illegible]	360	[illegible]	[illegible]	[illegible]					
	CNT				1						3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	3					
	UQ										[illegible]	365	[illegible]	[illegible]	[illegible]	[illegible]	370	355	[illegible]	[illegible]					
	LQ										[illegible]	342	340	335	[illegible]	[illegible]	345	[illegible]	330	345					
foF1	MED																								
	CNT																								
foE	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	170								
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	27	33	36	[illegible]	35	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	24	19	[illegible]	[illegible]	[illegible]	35	31	31	29	23
	CNT	1	4	5	4	6	5	5	3	3	[illegible]	[illegible]	[illegible]	4	[illegible]	4	9	4	3	[illegible]	5	4	6	4	4

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE. DECEMBER, 1962

TABLE 19

UPPSALA, SWEDEN (59.8N, 17.6E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]							
h'E	MED									[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]				[illegible]											
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP [illegible] MINUTE. [illegible] 1962

TABLE [illegible]

GRAZ, AUSTRIA ([illegible]) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	31	32
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33	33	[illegible]	34
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	31
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265	[illegible]	[illegible]	[illegible]	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP [illegible] [illegible] 1962

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED							24																	
	CNT							23																	
	UQ							24																	
	LQ							22																	
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

IN 5 MINUTES, AUTOMATIC.

DECEMBER, 1962

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC IN 15 SECONDS.

NOVEMBER, 1962

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

NOVEMBER, 1962

TABLE [illegible]

SODANKYLA, FINLAND (67.4N, 26.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57	[illegible]	45	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ			[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43	47	[illegible]	[illegible]	[illegible]	17	[illegible]	18
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265	[illegible]	218
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	270
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'E	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	20

SWEEP [illegible] IN 8 MINUTES, AUTOMATIC. NOVEMBER, 1962

TABLE [illegible]

LULEA, SWEDEN (65.6N, 22.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	52	56	61	[illegible]	[illegible]	55	[illegible]	43	34	26	23	24	26	31	25
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	28	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	9	6	[illegible]	3	7
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	185	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	240	250	250	255
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]	13	8	7	9	14
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	[illegible]	[illegible]	[illegible]	[illegible]	380	370	380	370	[illegible]	370	360	330	330			
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	12	4	3	2			
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	6									
h'E	MED									[illegible]	[illegible]	125	[illegible]	[illegible]	[illegible]										
	CNT									[illegible]	[illegible]	[illegible]	4	4	4										
foEs	MED	22	[illegible]	22	[illegible]	[illegible]	[illegible]	22	[illegible]	18	[illegible]	[illegible]	[illegible]	20	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	22	36	23	20
	CNT	[illegible]	[illegible]	[illegible]	6	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	14	21

SWEEP 0.65 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. NOVEMBER, 1962

TABLE [illegible]

LYCKSELE, SWEDEN ([illegible]) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] NOVEMBER, 1962

TABLE [illegible]

UPPSALA, SWEDEN ([illegible]) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	16
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED												[illegible]	[illegible]											
	CNT												[illegible]	[illegible]											
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	295
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	24
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24

[illegible] NOVEMBER, 1962

TABLE 29

GRAZ, AUSTRIA (47.1N, 15.5E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]						[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26

SWEEP 2.0 MC TO 13.0 MC IN 50 SECONDS. NOVEMBER, 1962

TABLE 30

WAKKANAI, JAPAN (45.4N, 141.7E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	295	290
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	25	23
	UQ																								
	LQ																								
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	[illegible]	[illegible]	E
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	29

SWEEP [illegible] MC TO [illegible] MC IN [illegible] MINUTES. NOVEMBER, 1962

TABLE 31

ROME, ITALY (41.8N, 12.5E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	34	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	29	29	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	34	35	35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	31	31	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foEs	MED																								
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.4 MC TO 15.0 MC IN 5 MINUTES, AUTOMATIC. NOVEMBER, 1962

TABLE 32

AKITA, JAPAN (39.7N, 140.1E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	32	33
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	25	25	26
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	35	35
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	28	28	31
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	255	275	[illegible]	305
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	27	26	28
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	305	285	280
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	25	25	26
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	25	24	E
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	28	28	27

SWEEP [illegible] MC TO 20.0 MC IN 20 SECONDS. NOVEMBER, 1962

KOKUBUNJI, TOKYO, JAPAN

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	[illegible]	34	34	34	[illegible]	[illegible]	63	74	77	[illegible]	84	[illegible]	81	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	36	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT										1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]											
	CNT										[illegible]	[illegible]	[illegible]												
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11

NOVEMBER, 1962

TABLE 34

JAPAN

TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88	[illegible]	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37	[illegible]	34	31	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	24
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58	[illegible]	[illegible]	[illegible]	35	32
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	305
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]
	UQ																								
	LQ																								
foF1	MED											[illegible]	44	[illegible]	[illegible]	44	[illegible]	[illegible]							
	CNT											[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	17	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8

SWEEP 1.0 MC TO 20.0 MC IN [illegible] SECONDS.

NOVEMBER, 1962

TROMSO, NORWAY

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	UQ				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	LQ				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
h'F2	MED										[illegible]			[illegible]	[illegible]	[illegible]									
	CNT										[illegible]			[illegible]	[illegible]	[illegible]									
	UQ										[illegible]			[illegible]	[illegible]	[illegible]									
	LQ										[illegible]			[illegible]	[illegible]	[illegible]									
h'F	MED						[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	CNT						[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ						[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	LQ						[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
M(3000)F2	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT		[illegible]									[illegible]			[illegible]					[illegible]		[illegible]			[illegible]
	UQ					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	LQ					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foF1	MED																								
	CNT																								
foE	MED											[illegible]		[illegible]		[illegible]	[illegible]	[illegible]							
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	28	25	22	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	7	7	5	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32	32	30	38	31	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	24	23	23	17	[illegible]
h'F2	MED													[illegible]	[illegible]	[illegible]									
	CNT													[illegible]	[illegible]	[illegible]									
	UQ													[illegible]	[illegible]	[illegible]									
	LQ													[illegible]	[illegible]	[illegible]									
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325	335	325
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	7	5
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	360	350	375
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	320	305
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	300	310	280	300	290
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	9	6	5	5	3
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	320	320	320	320	310	295
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	300	300	280	280	285
foF1	MED													[illegible]	[illegible]										
	CNT																								
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	175					
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED										[illegible]	[illegible]								[illegible]					
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]	[illegible]	[illegible]	44	57	63	50	[illegible]
	CNT	[illegible]	[illegible]															[illegible]		[illegible]	19	20	24	20	

TABLE [illegible]

SODANKYLA, FINLAND (67.4N, 26.[illegible]) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	47	[illegible]	54	[illegible]	[illegible]	[illegible]	[illegible]	51	44	[illegible]	[illegible]	33	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	[illegible]	1
	UQ		[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	LQ		[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	28	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	CNT	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	UQ		[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	LQ		[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
foF1	MED											[illegible]	[illegible]	[illegible]											
	CNT											[illegible]	[illegible]	[illegible]											
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]					
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	34	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37	[illegible]	[illegible]	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40	41
	CNT	26	28	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	14	[illegible]	[illegible]	7	[illegible]	17	24	24	[illegible]	28	[illegible]	23	21

SWEEP 1.4 MC TO 22.0 MC IN 8 MINUTES, AUTOMATIC. OCTOBER, 1962

TABLE 38

[illegible]LEA, SWEDEN (65.6N, [illegible]) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48	43	37	33	29	22	34	24
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	25	[illegible]	[illegible]	[illegible]	15	[illegible]	7	4	2	7	2	1
	UQ																								
	LQ																								
h'F2	MED											[illegible]	[illegible]			[illegible]									
	CNT											[illegible]	[illegible]			[illegible]									
	UQ																								
	LQ																								
h'F	MED	285	[illegible]	270	250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	245	255	260	260
	CNT	11	[illegible]	13	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	[illegible]	15	10	7	2
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	370	370	360	[illegible]	[illegible]	360	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	360	330	320	350	320
	CNT	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15	[illegible]	24	[illegible]	[illegible]	25	[illegible]	[illegible]	22	[illegible]	[illegible]	6	3	2	5	2	1
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]			[illegible]									
	CNT										[illegible]	1	2			[illegible]									
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								4	[illegible]	7	8	[illegible]	[illegible]	11	[illegible]	[illegible]	3	1						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110						
	CNT								[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1						
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	22	24	35	34	24
	CNT	18	19	[illegible]	4	4	2	2	5	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	16	13	17	18	19

SWEEP 0.65 MC TO 25.0 MC IN 5 MINUTES, AUTOMAT[illegible].

OCTOBER, 1962

TABLE [illegible]

NURMIJARVI, FINLAND (60.5N, 24.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED								32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51	48	[illegible]	37			
	CNT								10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	17	[illegible]	[illegible]	2			
	UQ								34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	58	52	[illegible]	[illegible]				
	LQ								30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46	[illegible]	[illegible]				
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	340	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	245	[illegible]	[illegible]	[illegible]
	CNT	20	20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	390	385	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	308	310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT								[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	UQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	337	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	LQ								[illegible]	31	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									5	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	31	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31
	CNT	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	15	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

SWEEP 1.0 MC TO [illegible] MC IN [illegible] MINUTES. [illegible], 1962

TABLE 40

UPPSALA, SWEDEN (59.8N, 17.6E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	20	[illegible]	[illegible]	[illegible]	18	25	37	47	[illegible]	58	[illegible]	[illegible]	[illegible]	61	57	[illegible]	51	48	38	25	22	21	20
	CNT	[illegible]	14	14	17	21	26	[illegible]	29	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	28	27	24	24	20	17
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	43	[illegible]	57	66	[illegible]	[illegible]	[illegible]	[illegible]	61	[illegible]	56	51	45	34	23	23	22
	LQ	17	14	14	[illegible]	14	14	[illegible]	[illegible]	[illegible]	44	50	51	[illegible]	[illegible]	51	[illegible]	[illegible]	47	41	32	23	21	20	19
h'F2	MED									[illegible]	[illegible]	260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ										[illegible]	290	[illegible]	[illegible]	[illegible]	[illegible]									
	LQ										[illegible]	250	[illegible]	[illegible]	[illegible]	[illegible]									
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	[illegible]	[illegible]	[illegible]	245	250	285	300	310
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	30	29	[illegible]	28	26
	UQ	[illegible]	330	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	305	310	330
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	235	240	250	260	290
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	[illegible]	[illegible]	[illegible]	[illegible]	310	300	280	280	270
	CNT	[illegible]	14	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	24	24	20	17
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	330	[illegible]	330	[illegible]	[illegible]	[illegible]	[illegible]	320	310	305	290	295	280
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	270	270	260
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	350									
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110					
	CNT						[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	7	[illegible]					
h'E	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110	[illegible]	[illegible]	[illegible]	125	135	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	4	4	1					
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	31	34	34	[illegible]	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	24	26	26	25
	CNT	27	[illegible]	30	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	28	27	25	23	23	21	23

SWEEP 0.33 MC T[illegible] [illegible] M[illegible] IN [illegible] MINUTES.

OCTOBER, 1962

TABLE

DOURBES, BELGIUM

TIME

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

TABLE 42

TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

TABLE

TIME

HOUR		00	0	02	03	04	05	06	07	08	09	0	11	12	13	4	15	16	17	18	19	20	2	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

TABLE

TIME

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	3	14	15	16	7	18	19	20	2	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h'E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

TABLE 45

TAIPEI, TAIWAN, CHINA ([illegible]) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	345	345	335	[illegible]	325	[illegible]	305
	LQ	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED												[illegible]	[illegible]	[illegible]	[illegible]									
	CNT												3	4	[illegible]	[illegible]									
foE	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT										2	2	3	[illegible]	[illegible]	[illegible]	[illegible]								
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	111							
	CNT								1	[illegible]	13	12	[illegible]	7	[illegible]	4	5	2							
foEs	MED								27	[illegible]	35	37	36	39	36	36	35	[illegible]	26	25					
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	31	31	[illegible]	[illegible]	31

SWEEP [illegible] 25.0 MC IN 30 SECONDS. OCTOBER, 1962

TABLE 46

TROMSO, NORWAY (69.7N, 19.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				[illegible]	[illegible]	[illegible]	[illegible]	44	47	48	52	54	54	[illegible]	[illegible]	46	45	44	43	37	[illegible]			
	CNT	[illegible]		4	[illegible]	8	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	4	3
	UQ				37	32	[illegible]	43	[illegible]	49	[illegible]	57	58	54	[illegible]	53	[illegible]	48	47	[illegible]	[illegible]	36			
	LQ				[illegible]	[illegible]	29	36	43	42	44	[illegible]	[illegible]	48	45	47	43	[illegible]	[illegible]	[illegible]	[illegible]	26			
h'F2	MED											325	340	330											
	CNT						[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	7	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	UQ											360	345	445											
	LQ											280	305	290											
h'F	MED						265	260	245	245	245	225	[illegible]	[illegible]	225	[illegible]	245	245	255	[illegible]	260				
	CNT				3	4	[illegible]	11	9	10	[illegible]	11	13	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	1			1
	UQ						[illegible]	[illegible]	250	250	245	240	[illegible]	240	240	[illegible]	245	[illegible]	[illegible]	[illegible]	[illegible]				
	LQ						[illegible]	250	240	235	220	215	[illegible]	[illegible]	210	210	235	[illegible]	245	245	255				
M(3000)F2	MED						[illegible]					315	[illegible]	[illegible]		310	310	305	310						
	CNT				[illegible]	3	5	4	3	3	3	6	6	10	4	5	6	8	8	4	4	1			2
	UQ						[illegible]					335	[illegible]	315		320	320	310	[illegible]						
	LQ						280					310	[illegible]	290		[illegible]	[illegible]	290	305						
foF1	MED											[illegible]		390											
	CNT								[illegible]	1	[illegible]	5	4	7	3			[illegible]							
foE	MED							185	210			[illegible]	[illegible]	[illegible]	[illegible]	245	225	210	180						
	CNT				[illegible]		[illegible]	5	5	3	2	9	7	7	9	13	14	11	6	3					
h'E	MED							[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110							
	CNT						1	5	3	2	3	7	9	10	10	14	16	8	3	3	1				
foEs	MED	37	40	40	32	32	30	20	26	29	28	24	28	29	27	28	28	28	30	32	37	32	38	40	34
	CNT	23	24	27	25	18	15	10	9	6	5	10	12	17	15	21	26	25	28	25	27	24	21	26	27

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. SEPTEMBER, 1962

TABLE 47

KIRUNA, SWEDEN ([illegible]) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	44	[illegible]	30	[illegible]	[illegible]	28
	CNT	8	7	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	4
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43	[illegible]	[illegible]		[illegible]
	LQ	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23		[illegible]
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	LQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	355	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	8	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	295	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
foF1	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]						
foE	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT						[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]								
	CNT								[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
foEs	MED	42	50	45	43	[illegible]													[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]
	CNT	17	14	14	11	[illegible]	4		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]

SWEEP 0.8 MC TO 15.0 MC IN 30 SECONDS. [illegible]

TABLE 48

SODANKYLA, FINLAND (67.4N, 26.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	33	35	28	26	28	35	41	43	46	[illegible]	52	[illegible]	[illegible]	[illegible]	51	[illegible]	47	[illegible]	47	43	34	30	43
	CNT	4	6	2	2	3	[illegible]	[illegible]	21	21	4	26	[illegible]	24	24	2	[illegible]	25	[illegible]	[illegible]	[illegible]	10	4	5	3
	UQ	35	34			[illegible]	[illegible]	37	[illegible]	46	51	[illegible]	[illegible]	58	[illegible]	58	54	52	50	50	52	48	46	44	44
	LQ	[illegible]	[illegible]			25	[illegible]	33	36	42	44	45	[illegible]	[illegible]	47	49	48	45	44	38	41	39	33	26	36
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	270	290	315
	CNT	19	19	[illegible]	17	18	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	28	29	27	[illegible]	23	17	16	16
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	360	[illegible]	[illegible]	250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	340	[illegible]	362	360
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	198	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	263	295
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	308	295	[illegible]	273	270
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	3
	UQ	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	[illegible]	287	272
	LQ	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	263
foF1	MED									36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]							
foE	MED			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	135				
	CNT			[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4				
h'E	MED			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	125	[illegible]				
	CNT			[illegible]			[illegible]		[illegible]	[illegible]	13	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	4				
foEs	MED	33	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37	[illegible]	[illegible]	[illegible]	37	37	[illegible]	34	32	30	[illegible]	31	32	42	31
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]		4	[illegible]	[illegible]	[illegible]	24	[illegible]	24	23	21	28

SWEEP [illegible] IN 8 MINUTES, AUTOMATIC. SEPTEMBER, 1962

TABLE 43

LULEA, SWEDEN

TIME

HOUR		00	01	02	03	04	05	06	07	08	09	0	1	2	13	14	5	16	17	18	9	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SEPTEMBER, 1962

TABLE

TIME

HOUR		00	01	02	03	04	05	06	07	08	09	10		12	13	14	5	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																					265	265	265	265
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	2.70																				3.0	3	2.80	2.80
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																					4.15			
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 0.33 MC, T MINUTES,

SEPTEMBER, 1962

TABLE

WINNIPEG, CANADA

TIME

HOUR		00	01	02	03	04	05	06	07	08	09	10		2	13	14	5	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foF	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

TABLE

WAKKANAI, JAPAN

TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10		2	13	4	5	16	7	8	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

TEMBER, 1962

TABLE [illegible]

AKITA, JAPAN [illegible] [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP [illegible] SEPTEMBER, 1962

TABLE 54

[illegible], TOKYO, JAPAN (35.7N, 139.5E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69	57	[illegible]	45	43	44
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64	[illegible]	[illegible]	48	45
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68	[illegible]	[illegible]	[illegible]	[illegible]	48	[illegible]	44	42	40
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	290	335	350	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	335	335	[illegible]	325	[illegible]	[illegible]	285	290
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	30	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	29	30
	UQ																								
	LQ																								
foF1	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39	35	38
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15	[illegible]	[illegible]	[illegible]	[illegible]	18	14	11

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. SEPTEMBER, 1962

TABLE [illegible]

YAMAGAWA, JAPAN [illegible] TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 20.0 MC IN 3[illegible] SEPTEMBER, 1962

TABLE 56

RESOLUTE BAY, CANADA (74.7N, [illegible]W) TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45	45	46
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	36
h'F2	MED				[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	210	220	230	220
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	29	30	30	30
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	[illegible]	320
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	21	18	14
	UQ																								
	LQ																								
foF1	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	[illegible]			
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	14	6			
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	190	170	150	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	30	29	22	17
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP [illegible] MC TO 17.0 MC IN 16 SECONDS. AUGUST, 1962

TABLE 57

TROMSO, NORWAY (69.7N, 19.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				37	37			46	47															
	CNT																								3
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED				270	300	305	290	305	305	300	300	310	310	300	305	300	310	310	310	310	310			
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES, [illegible] MST.

[illegible] 1962

TABLE 58

SODANKYLA, FINLAND (67.4N, 26.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible] IN 8 MINUTES, AUTOMATIC.

AUGUST, 1962

TABLE 59

[illegible] TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			30	26	25	31	38	42	43	48	48	51	49	51	49	47	47	48	49	48	49	52	52	46
	CNT			3	4	6	12	24	20	20	21	22	23	22	23	21	15	25	25	19	18	11	6	2	3
	UQ			31	27	27	33	40	44	47	51	50	55	53	53	52	52	53	51	51	53	57	58		54
	LQ			30	24	25	30	34	40	42	43	45	47	46	48	46	44	46	46	44	45	48	48		45
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED				298	290	268	220	210	210	215	210	205	205	200	200	205	210	210	230	270	260	240	240	280
	CNT				28	30	30	31	31	31	31	31	32	30	29	31	30	30	30	30	30	30	30	40	30
	UQ				313	300	280	230	220	220	220	220	220	220	220	220	220	220	220	230	270	280	270	280	300
	LQ				285	270	240	210	210	200	200	200	200	200	200	200	200	200	200	215	250	250	230	230	240
M(3000)F2	MED	300	305	320	295	305	310	310	310	300	300	290	310	310	310	310	310	310	310	310	310	315	320	315	305
	CNT			3	4	6	11	26	23	23	21	21	23	22	22	21	24	25	19	19	18	11	6	2	2
	UQ			330	315	310	320	330	320	317	318	310	325	325	325	320	317	330	320	320	320	320	320		
	LQ			315	285	300	305	310	295	285	283	280	300	290	300	292	288	288	300	305	310	310	310		
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED			32	28	23	23	22	25	27	31	32	37	44	42	45	37	31	29	29	40	33	43	42	45
	CNT			4	3	4	11	14	24	27	27	26	23	19	16	16	18	18	29	35	36	26	9	8	7

[illegible] AUGUST, 1962

TABLE 60

UPPSALA, SWEDEN (59.8N, 17.6E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	25	23	24	27	35	40	42	45	48	50	49	50	49	48	48	47	50	50	50	50	48	41	30
	CNT	26	26	22	25	29	31	30	30	30	31	31	31	31	31	30	31	31	31	31	31	31	30	29	29
	UQ	37	32	25	25	31	36	41	44	48	51	53	53	52	52	50	51	52	51	53	55	56	53	45	39
	LQ	23	21	22	23	24	32	37	41	43	45	46	47	48	47	46	46	45	45	47	48	45	41	30	24
h'F2	MED						285	375	375	345	360														
	CNT						2	8	16	26	41														
	UQ								430	440	445														
	LQ							315	390	325	345														
h'F	MED	250	260	255	275	265	240	225	210	205	210	205	205	200	200	200	205	210	220	240	250	245	240	245	[illegible]
	CNT	23	23	21	28	28	28	36	31	29	27	24	26	28	23	26	28	27	21	21	27	29	29	29	[illegible]
	UQ	284	300	285	295	280	245	235	225	215	215	215	210	215	235	205	210	220	230	245	255	250	245	260	270
	LQ	245	250	240	255	250	230	220	200	200	200	205	200	195	200	200	200	210	210	230	245	240	230	235	245
M(3000)F2	MED	280	280	280	290	290	310	325	295	290	280	300	300	305	310	290	300	300	300	300	300	300	300	290	280
	CNT	26	26	24	25	29	31	30	31	31	31	30	30	30	31	29	31	31	31	31	31	31	30	29	29
	UQ	290	290	300	285	310	330	325	310	310	320	310	320	310	320	310	320	320	310	320	310	310	310	310	295
	LQ	270	270	270	265	285	295	310	280	290	300	280	290	290	300	280	290	290	290	300	300	290	290	280	260
foF1	MED						25	345	380	395	410	410	420	420	420	410	400	390	380	345					
	CNT						1	8	21	26	31	30	37	29	29	26	27	27	20	12	1				
foE	MED	89	110	125	140	141	172	210	240	250	270	280	295	300	300	290	270	250	230	200	170	115	75		
	CNT	1	1	1	4	13	23	27	27	30	31	26	24	22	17	19	28	30	30	29	16	6	2		
h'E	MED	125	130	120	115	105	105	11	100	100	100	100	100	100	100	100	100	105	105	110	105	105	[illegible]		
	CNT	1	1	1	5	9	12	21	26	29	31	31	27	25	22	21	27	24	29	26	12	6	2		
foEs	MED	31	31	26	31	31	32	38	42	42	43	48	50	47	46	45	48	42	44	36	35	27	23	26	24
	CNT	25	27	31	31	32	32	34	36	35	31	31	31	31	31	30	32	31	31	31	34	30	29	26	27

SWEEP [illegible] MC TO 12.0 MC IN 3 MINUTES.

[illegible]

TABLE 61

CHURCHILL, CANADA [illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP [illegible] IN [illegible] AUGUST, 1962

TABLE [illegible]

[illegible] TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	34
h'F2	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	331	308
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	322
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	318	249
foF1	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foE	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	190	[illegible]				
	CNT					[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3				
h'E	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7				
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	[illegible]	[illegible]	33	33	33	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	18
	CNT	26	[illegible]	28	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31	31	31	[illegible]	31	[illegible]	31	3	29

SWEEP 1.0 MC T[illegible] M[illegible] IN 3 MINUTES. AUGUST, 1962

TABLE 63

PRUHONICE, CZECHOSLOVAKIA (50.0N, 14.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	3	14	15	16	17	18	19	20	21	22	23
foF2	MED	35	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	[illegible]	[illegible]	61	51	44	39
	CNT	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	7	[illegible]	[illegible]	[illegible]	13
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	260	[illegible]	265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	250
	CNT	15	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	38	35	[illegible]	37	[illegible]	[illegible]	33	34	[illegible]	[illegible]	[illegible]	[illegible]	38	[illegible]	34	34	[illegible]	
	CNT	[illegible]	[illegible]	25	24	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	[illegible]	

SWEEP 1.0 MC TO 18.0 MC. AUGUST, 1962

TABLE 64

WINNIPEG, CANADA (49.9N, 97.4W) TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51	[illegible]	46	33	29
	CNT	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	28	[illegible]	[illegible]	27	[illegible]	[illegible]	25	24
	UQ	26	26	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	54	[illegible]	[illegible]	56	57	56	[illegible]	[illegible]	32
	LQ	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	46	45	[illegible]	46	45	[illegible]	46	46	46	43	37	28	24
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	302	[illegible]				
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	12				
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	24	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	[illegible]	[illegible]	[illegible]	[illegible]	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	[illegible]
	UQ																								
	LQ																								
foF1	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	360					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16					
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	200				
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP [illegible] AUGUST, 1962

TABLE 65

ST. JOHNS, NEWFOUNDLAND (47.6N, 52.7W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	29	26	[illegible]	[illegible]	[illegible]	32	[illegible]	[illegible]	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51	[illegible]	[illegible]	[illegible]	58	[illegible]	54	43	[illegible]	32
	CNT	[illegible]	21	15	9	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
	UQ	31	29	23	25	23	[illegible]	43	47	51	52	53	53	53	[illegible]	54	55	57	60	64	66	[illegible]	[illegible]	[illegible]	36
	LQ	26	24	20	19	21	31	36	[illegible]	44	44	45	46	48	45	44	49	49	50	50	54	50	38	34	31
h'F2	MED							450	[illegible]	335	340	345	[illegible]	400	[illegible]	[illegible]	340	[illegible]	[illegible]	[illegible]					
	CNT							9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	280	275				245	225	210	200	200	[illegible]	[illegible]	200	200	[illegible]	210	210	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265	275
	CNT	12	7	3	3	4	29	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	14
	UQ																								
	LQ																								
M(3000)F2	MED	290	280	290		320	[illegible]	320	320	320	[illegible]	[illegible]	300	290	[illegible]	290	[illegible]	[illegible]	300	300	310	300	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	7	2	9	29	24	24	21	23	[illegible]	[illegible]	24	23	27	28	[illegible]	29	[illegible]	[illegible]	19	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED							350	370	400	410	420	430	430	[illegible]	420	400	[illegible]	350						
	CNT							5	[illegible]	22	26	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foE	MED							[illegible]	[illegible]	285	310	320	320	[illegible]	320	[illegible]	[illegible]	[illegible]							
	CNT							7	[illegible]	12	8	9	[illegible]	15	17	[illegible]	19	[illegible]	[illegible]	[illegible]					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. AUGUST, 1962

TABLE 66

SOTTENS, SWITZERLAND (46.6N, 6.7E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	37	35	33	33	31	30	37	44	49	[illegible]	55	52	52	53	52	52	51	51	52	58	60	59	51	45
	CNT	24	29	[illegible]	28	27	30	29	27	[illegible]	23	25	25	24	[illegible]	[illegible]	28	28	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	24
	UQ																								
	LQ																								
h'F2	MED								275	330	[illegible]	300	335	330	[illegible]	345	340	350	310	300					
	CNT							2	5	15	[illegible]	24	25	21	22	[illegible]	[illegible]	21	23	8	1				
	UQ																								
	LQ																								
h'F	MED	265	280	290	295	290	280	240	230	220	210	200	200	200	200	[illegible]	200	210	[illegible]	230	270	250	235	240	250
	CNT	[illegible]	26	29	26	28	24	[illegible]	[illegible]	14	12	14	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	16	[illegible]	19	[illegible]	22	14	17
	UQ																								
	LQ																								
M(3000)F2	MED	305	295	290	290	295	300	320	335	325	325	325	315	315	320	310	315	310	315	[illegible]	315	320	320	325	315
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	20	23	[illegible]	[illegible]	18	[illegible]	[illegible]	23	26	25	25	27	25	17	16	16	18	16
	UQ																								
	LQ																								
foF1	MED								350	390	410	420	430	430	435	[illegible]	420	420	390	360					
	CNT							2	5	[illegible]	15	[illegible]	23	19	20	24	21	21	16	5					
foE	MED								230	260	280	300	[illegible]	320	320	[illegible]	305	290	270	225					
	CNT								18	17	16	12	[illegible]	7	[illegible]	16	16	20	22	19					
h'E	MED								110	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110	110	110					
	CNT							4	[illegible]	18	16	[illegible]	9	7	8	[illegible]	17	20	21	20					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. AUGUST, 1962

TABLE 67

WAKKANAI, JAPAN (45.4N, 141.7E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	43	40	40	38	38	[illegible]	[illegible]	[illegible]	53	54	55	54	54	[illegible]	[illegible]	54	55	57	58	[illegible]	[illegible]	57	[illegible]	45
	CNT	[illegible]	24	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	22
	UQ	47	44	43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56	56	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	38	38	[illegible]	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED						[illegible]	380	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	[illegible]	300	[illegible]	[illegible]	[illegible]	255	245	[illegible]	[illegible]	[illegible]	215	[illegible]	215	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	28	29	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	305	[illegible]	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]					
foE	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

TABLE 68

OTTAWA, CANADA (45.4N, 75.9W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48	38	30
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42	[illegible]	47	48	[illegible]	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41	25
h'F2	MED								[illegible]	360	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	380	360	340	[illegible]	[illegible]					
	CNT							3	24	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	270
	CNT	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	26
	UQ																								
	LQ																								
M(3000)F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	[illegible]		
	UQ																								
	LQ																								
foF1	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]				
foE	MED												[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT						[illegible]	[illegible]			[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible] AUGUST, 1962

ROME, ITALY TIME

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

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AKITA, JAPAN TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

AUGUST, 1962

TABLE 72

TOKYO BOARD, TOKYO, JAPAN TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

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TABLE 73

PORT MORESBY, PAPUA (9.4S, 147.1E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 42	U 36	32	33	U 22	22	26	53	68	76	88	90	80	82	76	73	76	70	63	60	56	42	38	U 40
	CNT	22	24	21	21	22	20	24	25	26	26	25	28	29	29	27	27	29	27	29	28	27	26	27	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	220	210	200	200	210	250	250	220	200	200	190	180	170	180	180	180	190	210	210	220	200	210	225	220
	CNT	25	20	22	16	9	13	12	26	23	23	20	19	20	19	17	17	13	21	28	25	25	19	16	19
	UQ																								
	LQ																								
M(3000)F2	MED	330	U 330	370	340	U 320	320	320	350	340	340	340	340	340	340	340	325	340	350	340	325	340	325	315	320
	CNT	16	20	18	19	21	22	24	25	26	26	25	28	29	28	27	27	29	27	29	28	27	26	25	20
	UQ																								
	LQ																								
foF1	MED									U 410	420	440	440	450	440	440	420	420							
	CNT									22	26	24	25	27	26	24	22	24	2						
foE	MED								220	U 260	300	315	325	335	330	320	310	285	230						
	CNT								21	23	24	23	25	22	22	19	23	22	16	2					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. AUGUST, 1962

TABLE 74

JOHANNESBURG, UNION OF S. AFRICA (26.1S, 28.1E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	29	27	27	28	26	26	27	48	57	62	66	69	70	66	69	67	61	60	58	45	33	32	31	30
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	230	230	220	210	245	250	230	225	225	215	205	205	200	200	200	200	210	230	220	215	225	240	225	220
	CNT	9	12	3	4	4	6	13	31	31	31	30	28	26	26	25	24	25	27	25	21	7	3	5	6
	UQ																								
	LQ																								
M(3000)F2	MED	320	315	310	320	310	310	320	355	355	340	330	330	330	325	330	340	335	335	340	340	325	325	330	325
	CNT	31	30	30	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	31
	UQ																								
	LQ																								
foF1	MED									380	410	440	450	450	450	430	400	360							
	CNT									4	19	26	27	31	27	27	19	4							
foE	MED								160	250	290	310	320	330	320	310	290	270	210	E 120					
	CNT								24	28	27	30	25	26	28	21	12	13	21	10					
h'E	MED																								
	CNT																								
foEs	MED	E 13	12	J 14	J 17	J 18	14	E 11	G	G	30	34	36	36	36	36	33	29	22	17	15	16	E 14	E 12	E 14
	CNT	31	31	30	31	31	31	31	31	31	31	31	31	30	31	31	30	31	31	31	31	31	31	31	31

SWEEP 1.0 MC TO 15.0 MC IN 1 MINUTE 30 SECONDS. AUGUST, 1962

TABLE 75

TROMSO, NORWAY (69.7N, 19.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			43	43	44	45	45	48	50	50	51	52	[illegible]	51	50	49	48	47	48	47	46	46	44	43
	CNT	4	4	9	11	17	18	[illegible]	20	18	22	25	24	26	24	26	28	25	26	24	24	20	14	9	6
	UQ			46	47	48	47	47	50	53	54	54	53	54	54	53	[illegible]	52	50	50	50	49	50	52	50
	LQ			[illegible]	41	42	42	[illegible]	45	48	49	50	49	49	48	47	45	45	46	46	45	45	44	42	40
h'F2	MED				350	370	390	415	380	355	390	385	365	370	380	390	385	370	360						
	CNT	2	1	2	5	7	13	18	17	17	19	24	21	21	19	23	20	11	8	2		1	2	3	1
	UQ				400	410	440	440	410	420	410	405	400	405	420	420	400	530	390						
	LQ				320	350	330	380	350	340	345	350	340	345	355	355	350	360	320						
h'F	MED				260	245	230	230	215	205	210	205	205	205	200	210	205	210	210	235	235				
	CNT	2	4	2	8	12	16	20	17	13	15	13	15	15	15	18	18	18	13	17	10	4	4	4	4
	UQ				275	250	250	245	235	210	225	210	210	205	205	215	215	220	220	245	250				
	LQ				240	230	215	[illegible]	[illegible]	[illegible]	[illegible]	200	[illegible]	200	[illegible]	200	[illegible]	[illegible]	200	215	225				
M(3000)F2	MED			285	[illegible]	290	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	295	[illegible]	[illegible]	[illegible]	[illegible]	305	[illegible]	[illegible]	290	300	[illegible]	
	CNT	3	2	7	10	15	14	18	18	17	[illegible]	[illegible]	[illegible]	[illegible]	20	13	21	18	14	15	15	[illegible]	[illegible]	5	3
	UQ			290	[illegible]	[illegible]	290	290	300	305	310	300	310	310	300	300	305	310	310	310	310	[illegible]	310	310	
	LQ			270	270	[illegible]	[illegible]	265	[illegible]	270	280	275	285	285	280	280	285	285	[illegible]	[illegible]	[illegible]	290	[illegible]	290	
foF1	MED				[illegible]	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	425	[illegible]	[illegible]	[illegible]	410	[illegible]	390						
	CNT			[illegible]	[illegible]		[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]			
foE	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	[illegible]	[illegible]	[illegible]	300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		8	[illegible]	[illegible]	13	18	[illegible]	[illegible]	[illegible]	[illegible]	2	3	[illegible]	
h'E	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT	[illegible]			[illegible]		1	[illegible]	[illegible]	[illegible]	[illegible]	18	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	1	3	1	1
foEs	MED	43	[illegible]	45	[illegible]	[illegible]	31	[illegible]	32	32	[illegible]	32	32	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	32	34	36	42	42	44
	CNT	[illegible]	[illegible]	[illegible]	17	18	18	[illegible]	19	15	[illegible]	[illegible]	[illegible]	20	[illegible]	25	24	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. [illegible]

TABLE 76

SODANKYLA, FINLAND (67.4N, 26.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	44	44	43	43	43	45	47	50	51	51	51	52	51	51	50	50	49	49	48	48	46	46	47
	CNT	18	16	14	17	21	24	25	24	24	24	29	29	28	28	30	28	28	28	29	26	27	21	17	14
	UQ	50	47	48	48	47	47	48	50	52	53	54	55	55	54	53	53	52	52	51	50	50	49	50	49
	LQ	43	[illegible]	42	[illegible]	41	41	42	43	46	48	48	48	47	48	47	47	47	46	46	46	45	43	39	44
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	290	[illegible]	[illegible]	263	235	215	[illegible]	[illegible]	[illegible]	[illegible]	195	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	200	[illegible]	[illegible]	[illegible]	235	240	260	260
	CNT	24	24	22	26	26	17	18	26	26	24	[illegible]	30	[illegible]	30	31	29	29	28	31	29	27	27	24	22
	UQ	310	[illegible]	310	340	250	[illegible]	220	210	[illegible]	[illegible]	200	200	200	200	200	200	[illegible]	[illegible]	225	240	250	260	287	290
	LQ	260	[illegible]	255	235	215	[illegible]	[illegible]	190	195	[illegible]	[illegible]	[illegible]	190	190	[illegible]	190	195	[illegible]	200	210	220	230	240	250
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	288	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	300	[illegible]	[illegible]	[illegible]	300	295
	CNT	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	312	315	310	310	307
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	277	[illegible]	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]	295	300	300	292	290	290
foF1	MED				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	430	430	[illegible]	[illegible]	[illegible]	380					
	CNT				[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	6					
foE	MED	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	[illegible]	215	195	155	165
	CNT	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	15	[illegible]	[illegible]	[illegible]	14	9	[illegible]	17	15	[illegible]	19	18	13	8	2	2
h'E	MED	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	15	[illegible]	[illegible]	[illegible]	15	8	2	[illegible]
foEs	MED	34	[illegible]	[illegible]	[illegible]	[illegible]	33	[illegible]	[illegible]	[illegible]	[illegible]	43	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40	36	32	[illegible]	33	32
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	18	[illegible]	20	23	24	27	26

TABLE 77

NURMIJARVI, FINLAND (60.5°N, 24.6°E) TIME 0.0 E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	74	74	70	71	74	74	77	75	74	77	78	78	77	76	76	76	76	76	78		77	77	77	77
	CNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28		28	28	28	28
	UQ	81	81	78	79	81	81	85	83	82	85	86	86	85	84	84	84	84	84	86		85	85	85	85
	LQ	68	68	64	65	68	68	70	68	68	70	71	71	70	69	69	69	69	69	71		70	70	70	70
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	220	230	240	240													210	210			220			240
	CNT	28	28	28	28													28	28			28			28
	UQ	240	240	250	250													230	230			240			250
	LQ	200	210	220	220													190	190			200			220
M(3000)F2	MED	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	CNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	UQ	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	LQ	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	2.4	3.2	3.6	4.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
	CNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28

SWEEP 1.0 MC TO 18.0 MC IN 3 MINUTES. JULY, 1962

TABLE 78

UPPSALA, SWEDEN (59.8°N, 17.6°E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.8	5.2	5.2	5.4	5.4	5.4	5.4	5.2	5.4	5.4	5.4	5.4	5.4	5.4	5.2	5.1	4.7
	CNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	UQ	4.6	4.6	4.6	4.6	4.6	4.6	4.8	5.1	5.2	5.5	5.7	5.7	5.6	5.6	5.4	5.4	5.4	5.4	5.3	5.3	5.6	5.7	5.5	5.2
	LQ	3.7	3.7	3.7	3.7	3.7	3.7	4.1	4.3	4.7	4.8	4.7	4.7	4.8	4.8	4.7	4.7	4.7	4.7	4.8	4.7	5.1	5.1	4.5	4.2
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	230	230	240	240													220	220	230	230	240	250	250	250
	CNT	3	3	3	3													3	3	3	3	3	3	3	3
	UQ	240	240	250	250													230	230	240	240	250	255	255	265
	LQ	220	220	230	230													210	210	220	220	230	240	240	245
M(3000)F2	MED	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	CNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	UQ	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	LQ	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	CNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28

SWEEP 0.33 MC TO 20.0 MC IN 3 MINUTES. JULY, 1962

TABLE 79

PRUHONICE, CZECHOSLOVAKIA (50.0°N, 14.6°E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	4.7	4.5	4.4	4.3	4.3	4.5	4.4	4.6	4.4	4.4	4.4	4.4	4.4	4.2	4.1	4.2	4.2	4.3	4.2	4.1	4.0	3.6	3.5	4.3
	CNT	2.4	2.5	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	1.4	1.1	1.3
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	CNT	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	UQ																								
	LQ																								
M(3000)F2	MED	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	CNT	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	2.4	2.4	2.4	2.3	2.3	2.7	3.4	3.7	3.4	3.4	3.4	3.4	3.7	3.7	3.5	3.5	3.4	3.7	3.7	3.7	3.4	3.5	4.6	1.0
	CNT	2.4	2.7	2.4	2.4	2.5	2.9	2.4	2.4	2.4	2.4	2.4	2.4	2.7	2.7	2.5	2.5	2.4	2.5	2.5	2.5	2.8	1.5	1.4	1.4

SWEEP 1.0 MC TO 18.0 MC. JULY, 1962

TABLE 80

SOTTENS, SWITZERLAND (46.6°N, 6.7°E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	5.0	4.7	4.4	4.4	4.4	4.7	4.4	4.5	5.1	5.4	5.7	5.5	5.7	5.5	5.5	5.4	5.4	5.3	5.6	5.4	6.3	6.0	5.8	5.2
	CNT	2.5	2.4	2.6	2.4	2.4	2.6	2.4	2.4	2.4	2.4	2.5	2.5	2.7	2.6	2.6	2.6	2.6	2.6	2.4	2.7	2.6	2.3	2.4	2.5
h'F2	MED							3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.4	3.5	3.7	3.6	3.5	3.2	2.7	3.0	3.2	3.2	2.7
	CNT							2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	UQ																								
	LQ																								
h'F	MED	2.7	2.7	2.5	2.7	2.7	2.9	3.1	3.1	3.5	3.5	3.5	3.5	3.5	3.5	3.7	3.7	3.7	3.8	3.7	3.9	4.5	4.4	4.5	4.7
	CNT	2.5	2	2.4	2.3	2.4	2.4	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	UQ																								
	LQ																								
M(3000)F2	MED	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	CNT	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 15.0 MC IN 30 SECONDS. JULY, 1962

TABLE 81

WINNIPEG, CANADA (49.9N, 97.4W) TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	34	32	30	32	38	42	44	48	50	53	53	57	56	56	57	57	57	57	60	61	59	47	38
	CNT	27	26	25	26	26	27	26	26	26	27	26	25	23	26	27	28	29	29	29	29	29	29	29	28
	UQ	39	38	35	35	36	39	44	47	[illegible]	54	56	58	58	56	60	60	60	60	60	61	64	64	60	48
	LQ	31	29	27	27	29	35	40	43	45	46	50	50	51	[illegible]	54	52	52	54	55	56	53	46	40	32
h'F2	MED						U 330	360	410	400	400	400	400	390	400	380	365	360	330	300	290	U 260			
	CNT						7	17	22	27	26	26	21	21	26	26	25	28	29	28	28	7			
	UQ																								
	LQ																								
h'F	MED	295	300	300	300	295	240	210	200	200	210	200	200	200	200	200	200	200	200	210	220	240	240	245	240
	CNT	26	21	24	20	24	26	27	24	27	27	25	21	22	23	24	23	28	27	29	26	27	29	28	23
	UQ																								
	LQ																								
M(3000)F2	MED	300	300	300	300	300	310	300	290	280	290	300	300	290	290	290	300	300	300	300	310	310	310	300	310
	CNT	19	14	17	12	15	22	14	15	18	13	15	[illegible]	13	16	18	22	26	25	26	26	23	25	22	15
	UQ																								
	LQ																								
foF1	MED							350	390	410	430	440	440	450	450	450	440	440	420	400	U 340				
	CNT						4	16	26	27	28	28	26	26	26	27	28	29	29	26	6	1			
foE	MED						190	230	270	300	310	330	340	340	350	340	340	330	300	270	240	U 200			
	CNT					1	13	23	24	26	27	23	21	20	21	22	25	28	27	23	22	5	1		
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. JUNE, 1962

TABLE 82

JULIUSRUH/RUGEN, GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	38	37	35	31	30	31	40	43	48	52	58	59	62	61	61	60	61	61	57	59	58	53	44	40
	CNT	28	27	27	27	27	27	29	28	28	28	28	28	29	28	29	29	29	28	29	29	29	29	29	28
	UQ																								
	LQ																								
h'F2	MED									360	375	325	350	325	320	330	330	380							
	CNT							1	1	8	12	12	14	16	12	15	7	1							
	UQ																								
	LQ																								
h'F	MED	E 290	E 290	E 295	E 290	E 280	270	250	240	220	215	210	210	210	210	220	225	230	235	250	260	E 240	E 240	E 240	E 280
	CNT	28	28	28	28	27	27	29	29	29	29	28	29	28	29	29	29	29	28	29	29	29	29	29	28
	UQ																								
	LQ																								
M(3000)F2	MED	275	270	270	280	280	[illegible]	315	310	310	310	305	300	300	300	300	300	310	310	315	310	300	295	290	280
	CNT	28	27	27	27	27	27	29	28	28	29	28	27	27	27	29	28	28	28	27	28	28	29	29	27
	UQ																								
	LQ																								
foF1	MED						190	340	360	410	410	430	430	440	430	430	410	400							
	CNT						1	1	1	4	12	13	15	19	15	14	6	1							
foE	MED					135	155	205	250	265	300	315	325	315	335	320	305	290	260	215	180				
	CNT					1	10	21	28	23	23	20	25	21	22	25	[illegible]	25	23	25	5				
h'E	MED																								
	CNT																								
foEs	MED	E 17	E 13	E 12	E 12	E 13	E 16	E 18	G	18	28	31	G	35	33	G	32	30	28	[illegible]	E 18	E 17	E 17	E 17	E 17
	CNT	28	28	28	28	26	21	16	12	13	14	12	9	13	14	11	10	10	12	11	24	29	29	29	28

SWEEP 0.5 MC TO 20.0 MC IN 25 SECONDS. APRIL, 1962

TABLE 83

JULIUSRUH/RUGEN, GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	34	32	32	29	24	[illegible]	44	[illegible]	54	[illegible]	66	67	66	[illegible]	69	70	67	63	69	56	43	37	35
	CNT	25	27	28	27	27	29	24	28	28	28	26	22	27	27	25	29	27	28	29	28	29	26	27	26
	UQ																								
	LQ																								
h'F2	MED									[illegible]	290	300	295	300	[illegible]	[illegible]	265	[illegible]							
	CNT									1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	[illegible]							
	UQ																								
	LQ																								
h'F	MED	[illegible]	290	280	290	[illegible]	[illegible]	[illegible]	240	[illegible]	[illegible]	[illegible]	215	205	[illegible]	220	230	235	240	235	230	230	[illegible]	260	280
	CNT	28	29	29	29	28	26	29	28	24	28	24	27	28	28	28	29	27	28	28	28	29	24	29	28
	UQ																								
	LQ																								
M(3000)F2	MED	280	275	275	[illegible]	280	[illegible]	305	[illegible]	[illegible]	[illegible]	325	[illegible]	[illegible]	[illegible]	[illegible]	315	[illegible]	325	[illegible]	310	315	305	285	280
	CNT	25	27	26	27	26	29	24	26	28	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	26	28	28	26	26	26	26
	UQ																								
	LQ																								
foF1	MED										380	[illegible]	[illegible]	[illegible]	440	[illegible]	[illegible]	[illegible]							
	CNT										2	[illegible]	6	12	9	[illegible]	2	[illegible]							
foE	MED							265	[illegible]	[illegible]	[illegible]	285	305	[illegible]	305	[illegible]	275	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	28	24	18	16	13	21	[illegible]	25	25	23	5					
h'E	MED																								
	CNT																								
foEs	MED	14	12	12	[illegible]	12	12	15						30						17	17	17	17	17	17
	CNT	28	29	29	29	28	29	24	26	28	27	26	25	25	25	27	25	27	27	29	29	29	24	29	28

SWEEP [illegible] MC TO 20.0 MC IN 25 SECONDS. MARCH, 1962

TABLE 84

WOOMERA, AUSTRALIA (31.0S, 136.8E) TIME 142.5E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	U 59	U 52	46	[illegible]	39	50	56	59	[illegible]	62	68	73	72	74	[illegible]	79	78	78	72	68	62	60	60
	CNT	29	28	[illegible]	28	28	[illegible]	[illegible]	26	27	24	26	25	26	28	[illegible]	[illegible]	29	32	28	30	30	30	28	28
	UQ																								
	LQ																								
h'F2	MED								[illegible]	342	357	343	348	338	339	334	318	308	291	262					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	27	[illegible]	28	28	27	18					
	UQ																								
	LQ																								
h'F	MED	E 295	E [illegible]	E [illegible]	E [illegible]	E [illegible]	E [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	221	236	[illegible]	E 252	E 280	E 310	E 305
	CNT	30	30	[illegible]	28	28	27	[illegible]	1	9	8	8	8	8	6	13	[illegible]	[illegible]	5	8	27	30	30	30	29
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									435	[illegible]	[illegible]	480	[illegible]	478	[illegible]	[illegible]	[illegible]	[illegible]	380					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5					
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	23	[illegible]				
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	30	[illegible]	28	[illegible]	[illegible]	[illegible]	26	[illegible]				
foEs	MED	34	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	46	44	44	44	40	[illegible]	[illegible]	[illegible]	36	38	[illegible]	39
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	30	31	[illegible]	[illegible]	[illegible]	31	31	[illegible]	31

SWEEP 0.7 MC TO 25.0 MC IN 50 SECONDS. DECEMBER, 1961

TABLE 85

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	114	12?	118	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	85	93	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	83	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74	85	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88	[illegible]
h'F2	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT											[illegible]	[illegible]	[illegible]	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265	250	280
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	10	19	19
	UQ																								
	LQ																								
M(3000)F2	MED	290	295	305	310	320	325	330	335	350	345	365	345	330	310	310	290	295	295	295	300	305	320	305	300
	CNT	[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	12	13	18	17	19	17	[illegible]	11	5	8	14	12	14	[illegible]	17	16	[illegible]	11
	UQ																								
	LQ																								
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT																								
foE	MED									[illegible]	[illegible]	[illegible]		[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]		
	CNT									[illegible]	[illegible]	[illegible]		[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]		
h'E	MED									[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT											[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]		
foEs	MED																								
	CNT																								

SWEEP [illegible] MC TO [illegible] MC IN 40 SECONDS. AUGUST, 1961

TABLE 86

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77	69	67	66	64	64	53	[illegible]	[illegible]	[illegible]	[illegible]	106	104	113	114	111	106	96	89
	CNT	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	21	18	24	[illegible]	27	24	19	[illegible]	13	7	[illegible]	17	20	18	22	21	18	17
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83	[illegible]	[illegible]	[illegible]	73	[illegible]	74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	128	116	117	[illegible]	99
	LQ	83	[illegible]	83	[illegible]	[illegible]	[illegible]	[illegible]	62	[illegible]	48	53	[illegible]	[illegible]	61	83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	81
h'F2	MED											[illegible]	250	[illegible]	[illegible]	[illegible]	[illegible]	345	[illegible]	265	325	300	305	305	
	CNT											3	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	19	16	4	
	UQ																								
	LQ																								
h'F	MED	315	300	285	250	[illegible]	[illegible]	275	[illegible]	285	[illegible]	245	225	[illegible]	[illegible]						215	220	235	260	325
	CNT	[illegible]	28	29	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	28	[illegible]	[illegible]	4						[illegible]	5	8	16	24
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265	265	[illegible]	[illegible]	275	[illegible]	295	285	275	265
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	24	[illegible]	11	13	7	[illegible]	17	[illegible]	18	22	20	18	17
	UQ																								
	LQ																								
foF1	MED														[illegible]					510	470	450	420		
	CNT														[illegible]					[illegible]	[illegible]	[illegible]	1		
foE	MED											[illegible]	[illegible]	[illegible]	[illegible]				430	420	340	310	240		
	CNT											[illegible]	[illegible]	[illegible]					2	[illegible]	5	1	2	3	
h'E	MED											[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	100	100	100	100		
	CNT											[illegible]	[illegible]	[illegible]				[illegible]	5	2	13	3	4	4	
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. JULY, 1961

TABLE 87

MOSCOW, U.S.S.R. (55.5N, 37.3E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60	61	64	68	70	66	61
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	30	30	30	30	30	30	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	285	280	280	280	285	285	280	280	285	290	290	285	290	290	295	290	295	300	290	290	290	285
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	29	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 20.0 MC IN 30 SECONDS. [illegible]

TABLE 88

MOSCOW, U.S.S.R. (55.5N, 37.3E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	48	45	42	40	45	52	57	61	64	67	70	69	70	67	64	64	64	63	64	66	67	63	59	52
	CNT	30	31	30	31	31	31	31	31	30	31	31	29	30	31	31	31	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	28[illegible]	280	280	280	285	290	285	285	285	290	290	295	295	295	300	300	305	305	300	305	306	290	290	280
	CNT	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	30	31	31
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	27	28	22	16	14	16
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31	31	30	30	31	30

SWEEP [illegible] MC TO [illegible] MC IN [illegible] SECONDS. MAY, 1961

TABLE 89

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	88	88	90	86	85	78	76	64	52	45	55	65	74	84	98	106	118	122	120	120	112	105	93	87
	CNT	21	21	20	17	25	25	26	26	28	25	27	28	28	27	19	22	26	26	28	27	29	24	20	20
	UQ	104	106	98	103	90	86	81	77	62	52	62	71	80	88	103	113	121	127	130	125	120	113	105	101
	LQ	85	81	82	78	78	71	61	54	45	38	50	62	69	78	90	99	111	113	109	104	107	98	85	84
h'F2	MED												240	315	350	355	350	350	[illegible]	345	340	305	300		
	CNT												2	6	15	19	24	27	24	25	20	15	5		
	UQ																								
	LQ																								
h'F	MED	305	300	285	255	240	250	235	240	240	250	240	225	220	220	225	210	200	200	215	240	230	250	270	310
	CNT	27	28	28	29	29	29	29	24	29	26	29	29	27	25	6	2	[illegible]	2	6	4	13	16	23	26
	UQ																								
	LQ																								
M(3000)F2	MED	275	285	290	305	315	300	310	310	310	315	330	320	290	275	270	280	290	290	290	290	295	290	280	275
	CNT	21	21	20	17	25	25	26	26	28	25	27	28	28	27	19	22	26	26	28	27	28	24	20	20
	UQ																								
	LQ																								
foF1	MED													480	490	490	500	500	490	470		480			
	CNT													3	9	7	5	5	5	3		2			
foE	MED											[illegible]	280	330	370	380	390	380	370	350	340	280	250	E	
	CNT											28	25	9	12	7	7	6	4	7	12	7	7	1	
h'E	MED											E	105	105	105	100	100	105	105	105	105	110	110	E	
	CNT											24	26	24	11	1	1	3	4	5	16	8	6	1	
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. MAY, 1961

TABLE 90

MAWSON, ANTARCTICA (67.6S, 62.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		30	38	39	45	50	56	60	66	72	75	70	60	48	37	25								
	CNT	4	6	11	12	15	17	22	21	22	24	26	27	29	28	17	8	2	1	1	1	1	1	2	1
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED		220	250	330	290	275	285	300	285	275	255	250	250	250	250	260								
	CNT	4	6	10	10	12	12	19	19	19	[illegible]	23	25	29	28	17	6	2	1	1	1	1	1	3	1
	UQ																								
	LQ																								
M(3000)F2	MED			295	265	305	290	290	285	290	295	300	310	310	310	315	320								
	CNT	3	1	5	7	10	14	20	19	22	23	25	27	27	27	16	5	1		1	1		1	1	
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED			240	280	280	330	320	300					270											
	CNT			5	11	9	9	10	7	4	2	1	1	5	3										
h'E	MED			130	120	115	120	120	120																
	CNT			5	11	8	9	9	6	4	2		1	3	3										
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. APRIL, 1961

TABLE 91

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	89	86	73	58	53	47	[illegible]	32	30	33	54	83	111	112	[illegible]	109	110	119	116	118	120	114	112	106
	CNT	8	11	[illegible]	13	17	18	28	17	[illegible]	[illegible]	[illegible]	27	[illegible]	25	25	23	25	[illegible]	25	24	25	25	20	16
	UQ	124	98	87	84	[illegible]	56	48	[illegible]	41	[illegible]	38	96	[illegible]	[illegible]	[illegible]	116	124	124	125	130	129	126	[illegible]	123
	LQ	83	59	57	55	47	35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	305	[illegible]	315	[illegible]	[illegible]	[illegible]	
	CNT												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	
	UQ																								
	LQ																								
h'F	MED	230	240	250	240	240	245	250	[illegible]	[illegible]	[illegible]	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	28	30	27	28	26	27	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
	UQ																								
	LQ																								
M(3000)F2	MED	300	305	[illegible]	[illegible]	320	[illegible]	325	[illegible]	305	[illegible]	335	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	285	[illegible]	[illegible]	[illegible]	310
	CNT	8	[illegible]	[illegible]	13	17	18	17	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	24	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	17
	UQ																								
	LQ																								
foF1	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT												[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foE	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
h'E	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT											21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. JANUARY, 196[illegible]

TABLE 92

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	80	82	84	86	86	77	49	37	32	36	65	106	112	118	112	124	128	128	126	126	122	121	116	106
	CNT	15	15	10	12	18	[illegible]	17	16	24	25	30	28	17	21	24	24	27	24	27	[illegible]	[illegible]	24	22	16
	UQ	116	107	106	[illegible]	[illegible]	[illegible]	58	[illegible]	38	46	78	113	127	129	[illegible]	128	133	130	130	130	129	125	123	124
	LQ	57	[illegible]	65	66	82	55	47	[illegible]	28	[illegible]	55	[illegible]	103	118	107	[illegible]	[illegible]	125	[illegible]	120	114	[illegible]	104	83
h'F2	MED												240	240	255	270	285	[illegible]	295	310	290	255			
	CNT												5	17	19	13	9	15	10	5	5	2			
	UQ																								
	LQ																								
h'F	MED	250	[illegible]	245	[illegible]	[illegible]	225	[illegible]	215	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	215	[illegible]	225	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	245	250
	CNT	27	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	17	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	14	[illegible]	26	29	30	29
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	[illegible]	305	305
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	21	[illegible]	[illegible]	16
	UQ																								
	LQ																								
foF1	MED														[illegible]	[illegible]	[illegible]		[illegible]		[illegible]				
	CNT														[illegible]	[illegible]	[illegible]		[illegible]		[illegible]				
foE	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	1	
h'E	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	13	[illegible]	1	
foEs	MED																								
	CNT																								

[illegible] MC IN 40 SECONDS. DECEMBER, 1960

TABLE 93

PARAMARIBO, SURINAM [illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	[illegible]	113	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	3			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ		131	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ		97	[illegible]	[illegible]	83	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h' F2	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	UQ																								
	LQ																								
h' F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	265	[illegible]	[illegible]	345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
fo F1	MED														[illegible]	[illegible]	[illegible]		[illegible]						
	CNT														[illegible]	[illegible]	[illegible]		[illegible]						
fo E	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT											[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
h' E	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
fo Es	MED																								
	CNT																								

[illegible] SECONDS. NOVEMBER, 1960

TABLE 94

RAROTONGA, COOK IS. (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	119	[illegible]	[illegible]	140	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	123	128
	CNT	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	313	280	265	260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	272	270	280	280	298
	CNT	10	17	22	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	20	10	14	13	12
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h' E	MED																								
	CNT																								
fo Es	MED	37	[illegible]	[illegible]	[illegible]	[illegible]	29	36	45	51	[illegible]	[illegible]	47	[illegible]	43	45	45	45	[illegible]	44	[illegible]	39	33	30	30
	CNT	28	28	[illegible]	[illegible]	28	28	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	29	28	[illegible]	[illegible]	[illegible]	28	28	28	28	28

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. FEBRUARY, 1960

TABLE 95

GODLEY HEAD (CHRISTCHURCH), N.Z. (43.6S, 172.8E) TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88	87	[illegible]	[illegible]	86	88	89	[illegible]	84	81	77
	CNT	27	[illegible]	[illegible]	[illegible]	[illegible]	28	29	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	29	[illegible]	27
	UQ																								
	LQ																								
h' F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ																								
	LQ																								
h' F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	255	245
	CNT	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26
	UQ																								
	LQ																								
fo F1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
fo E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	21	[illegible]	[illegible]	[illegible]					
h' E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
fo Es	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. FEBRUARY, 1960

TABLE 96

CAMPBELL I. (52.5S, 169.2E) TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	52	[illegible]	48	46	[illegible]	[illegible]	53	60	63	[illegible]	[illegible]	[illegible]	[illegible]	74	75	75	78	[illegible]	[illegible]	82	78	68	62	57
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	26	27	29	29	27	29
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265	265	255	245	240	240
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	25	28
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h' E	MED																								
	CNT																								
fo Es	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	38					[illegible]	28	[illegible]	[illegible]	18	35	36
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	27	[illegible]	[illegible]	28	[illegible]	28	[illegible]	29	29	29

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. FEBRUARY, 1960

TABLE 97

RAROTONGA, COOK IS. (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	90	88	87	87	85	84	90	105	110	123	130	136	147	144	140	125	122	116	104	98	103	104	104	[illegible]
	CNT	14	14	18	17	22	22	18	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	275	255	260	[illegible]	[illegible]	[illegible]	285	[illegible]	273	[illegible]	[illegible]	[illegible]	[illegible]	266	263	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	268
	CNT	14	14	18	[illegible]	[illegible]	[illegible]	18	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. JANUARY, 1960

TABLE 98

GODLEY HEAD (CHRISTCHURCH), N.Z. (43.6S, 172.8E) TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	82	72	[illegible]	[illegible]	[illegible]	[illegible]	64	72	78	81	86	[illegible]	[illegible]	[illegible]	[illegible]	84	82	[illegible]	82	82	82	88	88	88
	CNT	28	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	24	23	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	27	28	27	26	27	25	26	28
	UQ																								
	LQ																								
h'F2	MED								[illegible]	[illegible]	370	[illegible]	[illegible]	380	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	210	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	255	[illegible]	[illegible]	[illegible]	[illegible]	255	250	245	250
	CNT	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	24	24	28
	UQ																								
	LQ																								
foF1	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53	[illegible]	[illegible]					
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	350	310					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	27					
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	105					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32	26	25
	CNT	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	28

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. JANUARY, 1960

TABLE 99

CAMPBELL I. (52.5S, 169.2E) TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78	78	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	33	35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

TABLE 100

EL CERILLO, MEXICO (19.3N, 99.5W) TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	28
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84
h'F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible] JUNE, 1959

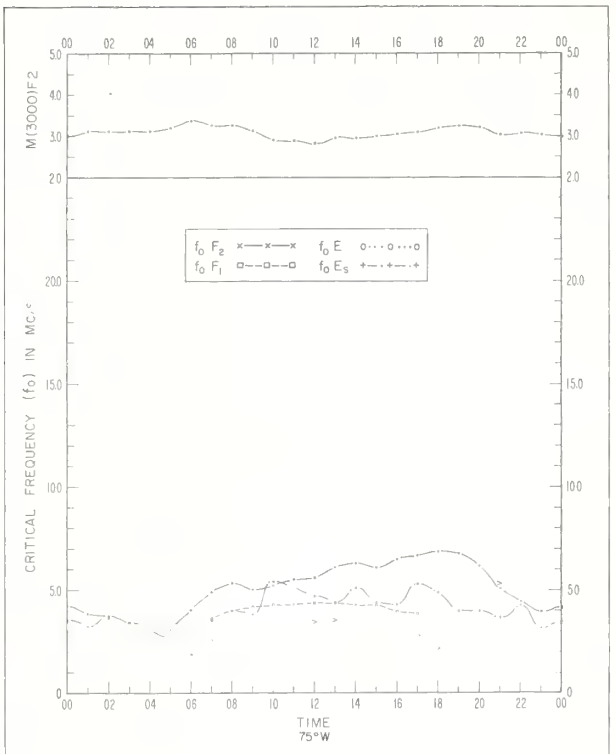

Fig 1 GRAND BAHAMA I.
26.6°N, 78.2°W JULY 1963

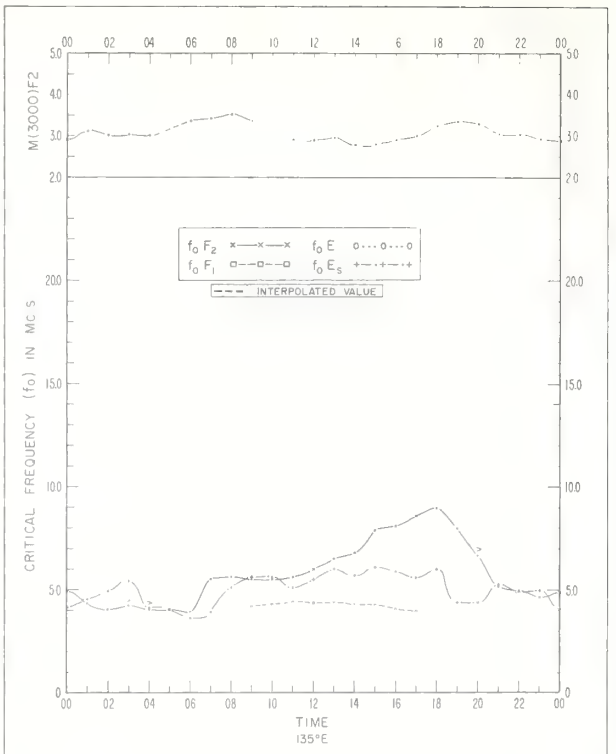

Fig 2. OKINAWA I.
26.3°N, 127.8°E JULY 1963

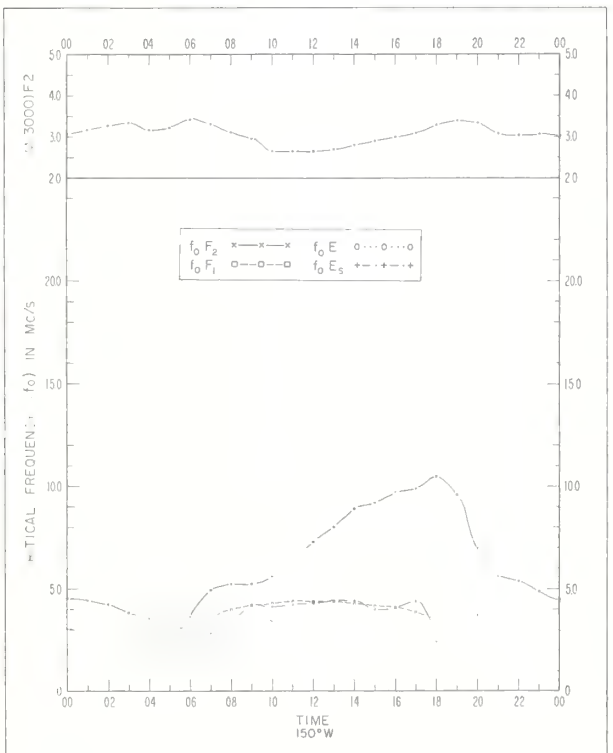

Fig 3. MAUI, HAWAII
20.8°N, 156.5°W JULY 1963

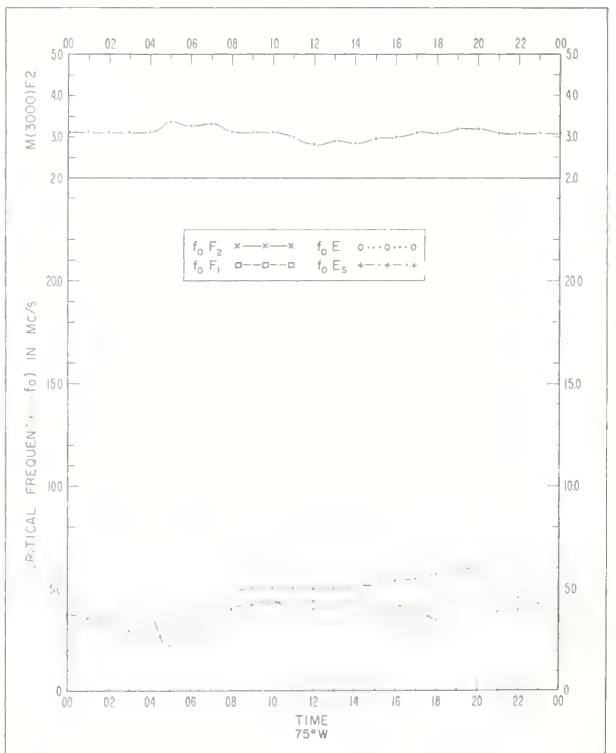

Fig 4. WASHINGTON, D.C.
38.7°N, 77.1°W JUNE 1963

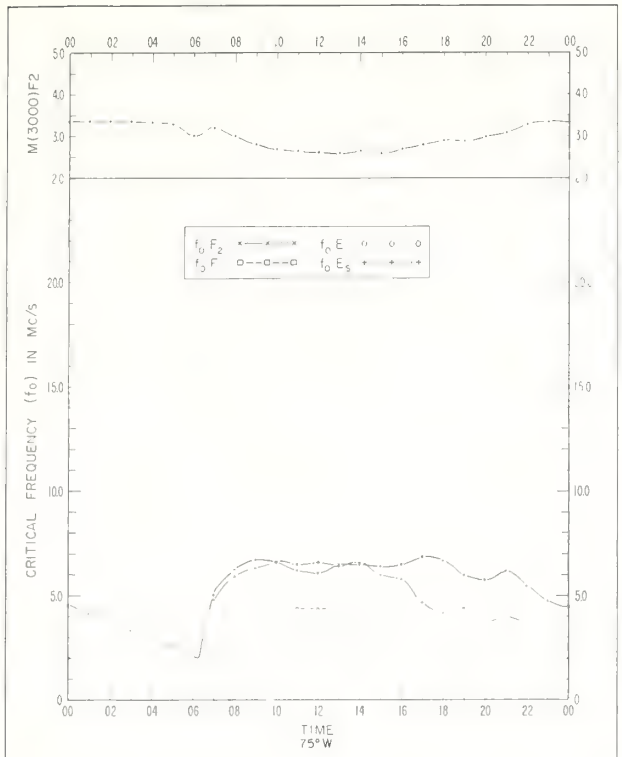

Fig. 5. HUANCAYO, PERU
12 0°S, 75 3°W
JUNE 1963

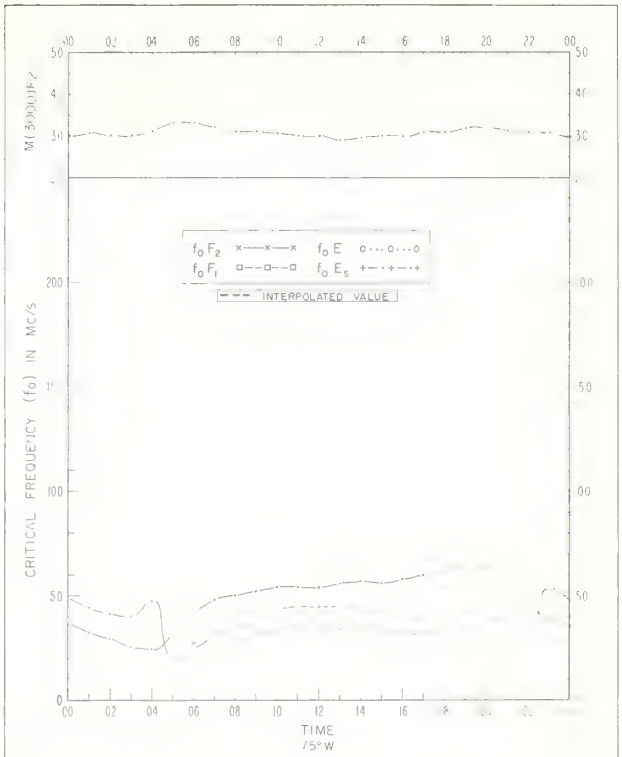

Fig 6 FT MONMOUTH, NEW JERSEY
40.4°N, 74 1°W
MAY 1963

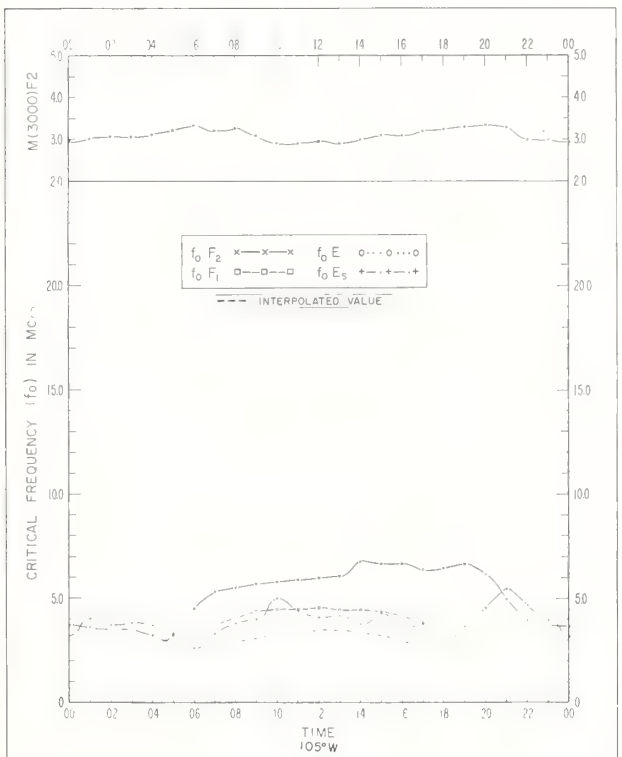

Fig. 7. WHITE SANDS, NEW MEXICO
32.3°N, 106 5°W
MAY 1963

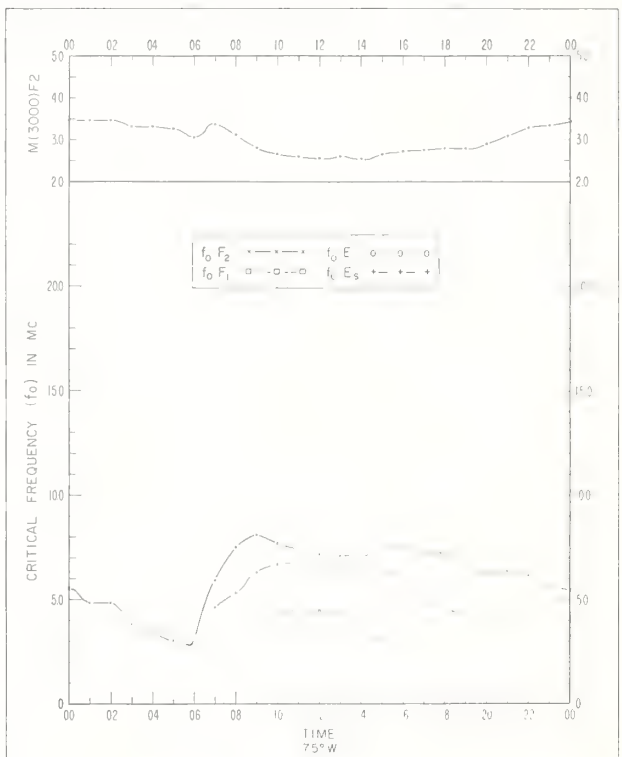

Fig 8 HUANCAYO, PERU
12 0°S, 75 3°W
MAY 1963

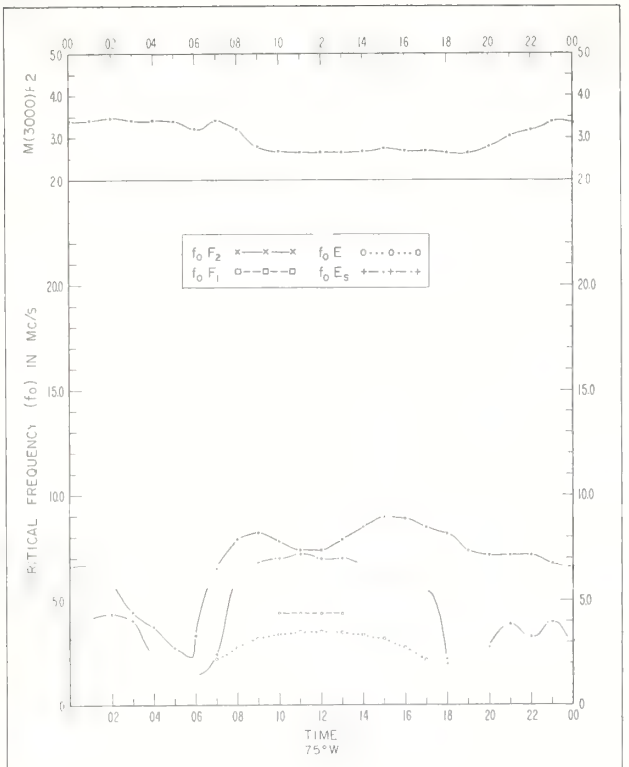

Fig 9 HUANCAYO, PERU
12.0°S, 75.3°W
APRIL 1963

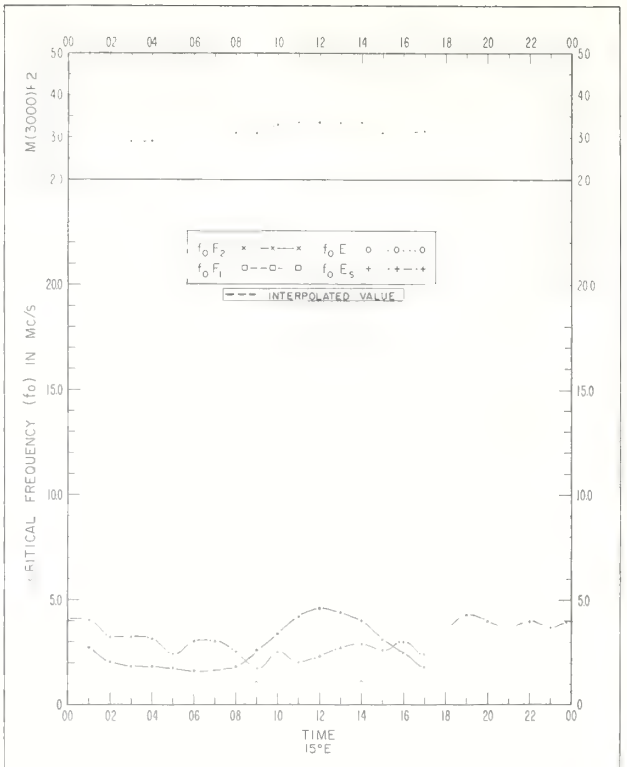

Fig 10. TROMSO, NORWAY
69.7°N, 19.0°E
JANUARY 1963

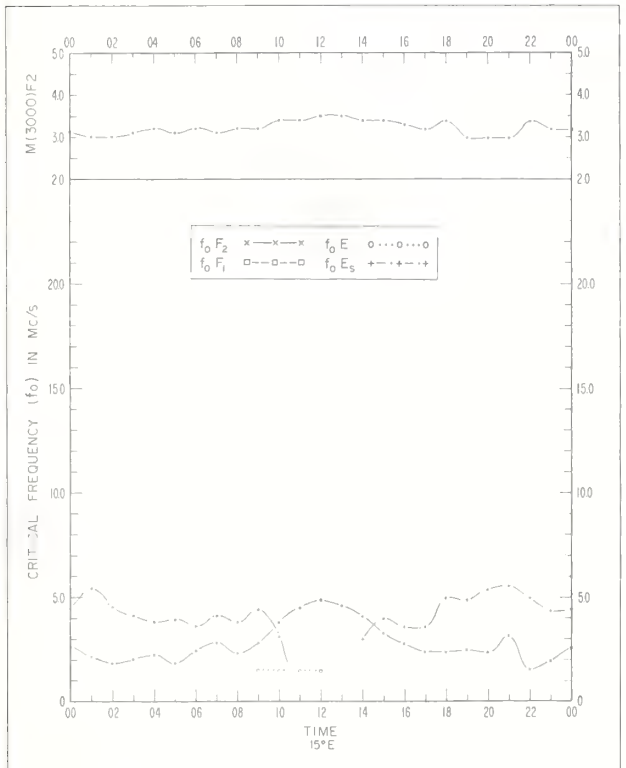

Fig 11. KIRUNA, SWEDEN
67.8°N, 20.4°E
JANUARY 1963

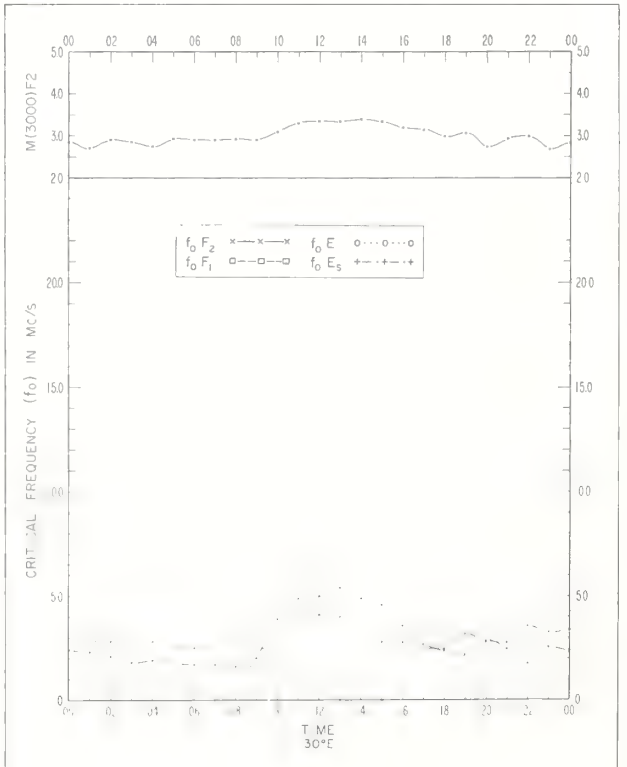

Fig. 12. SODANKYLA, FINLAND
67.4°N, 26.6°E
JANUARY 1963

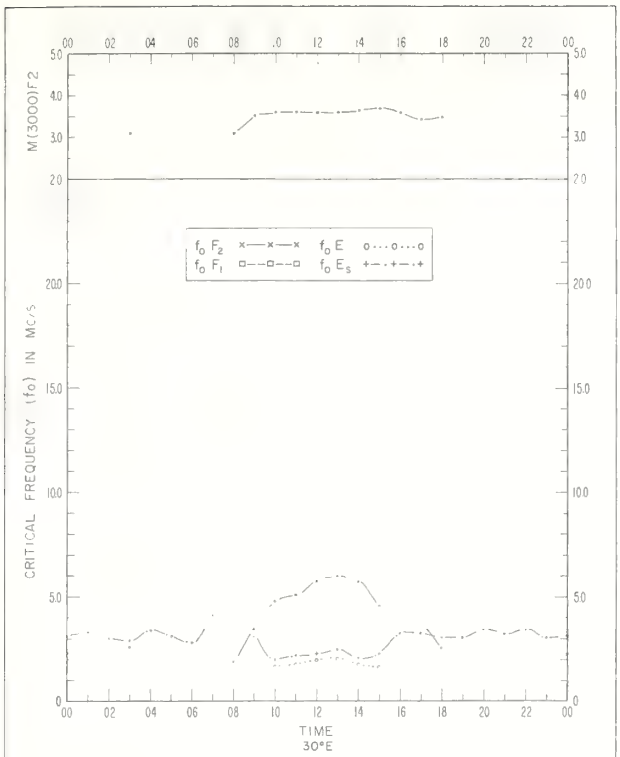

Fig. 13. NURMIJARVI, FINLAND
60.5°N, 24.6°E JANUARY 1963

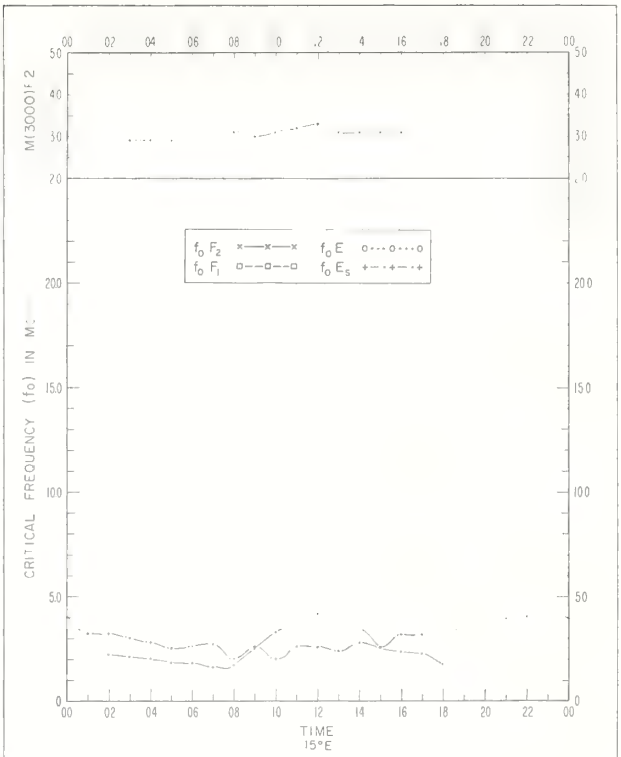

Fig 14 TROMSO, NORWAY
69.7°N, 19.0°E DECEMBER 1962

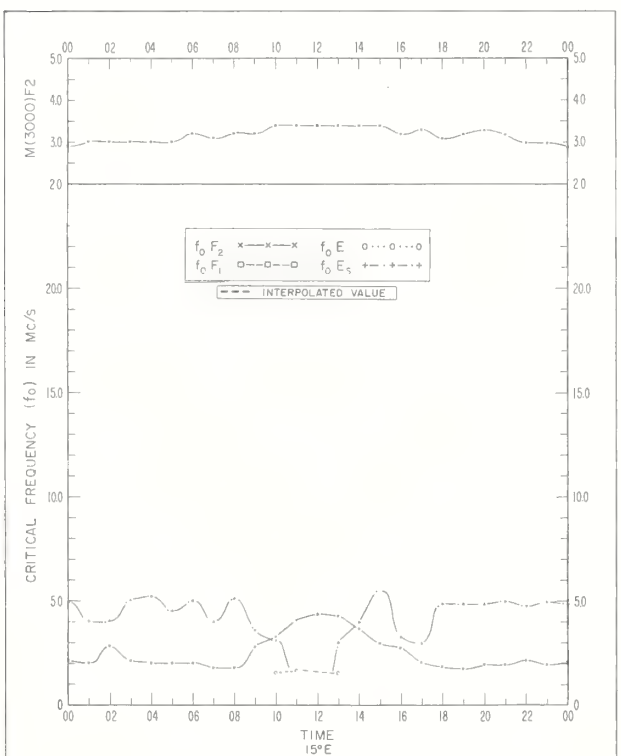

Fig. 15. KIRUNA, SWEDEN
67.8°N, 20.4°E DECEMBER 1962

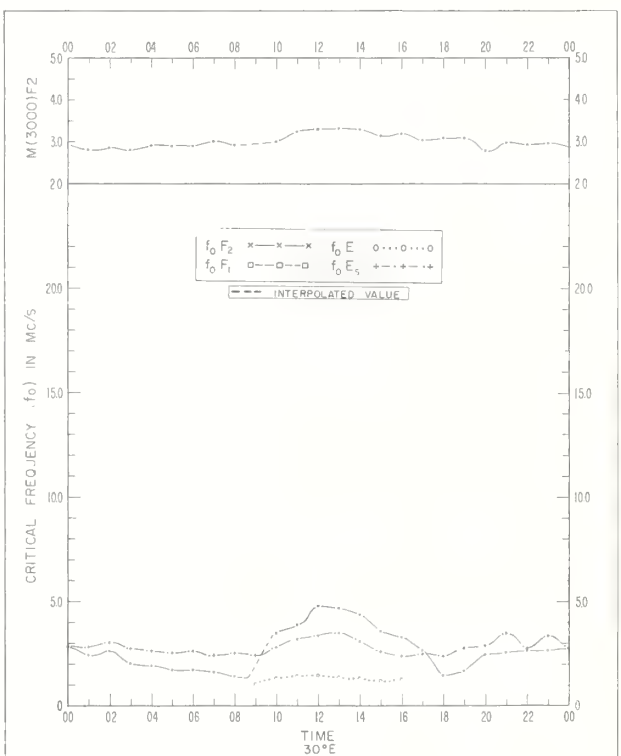

Fig. 16. SODANKYLA, FINLAND
67.4°N, 26.6°E DECEMBER 1962

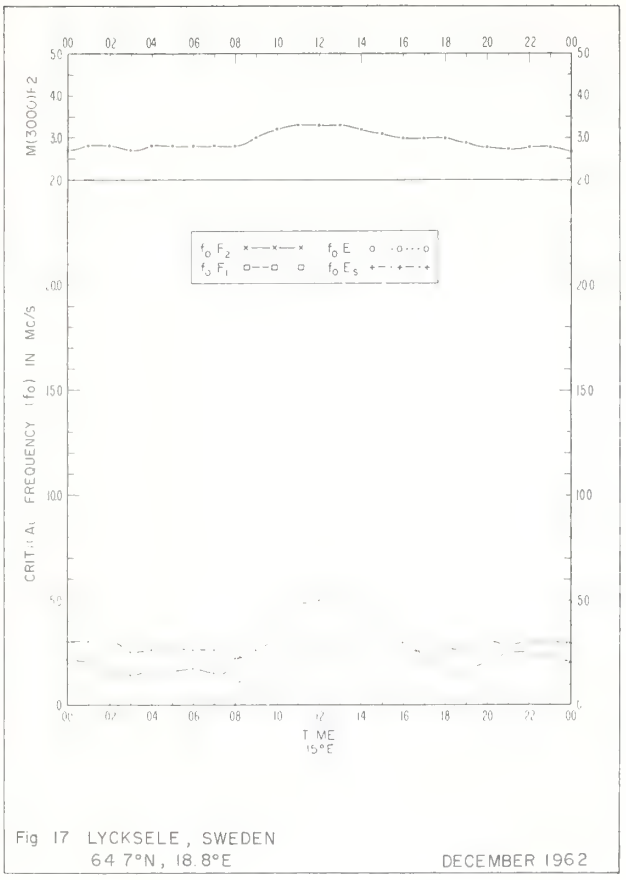

Fig. 17 LYCKSELE, SWEDEN
64.7°N, 18.8°E
DECEMBER 1962

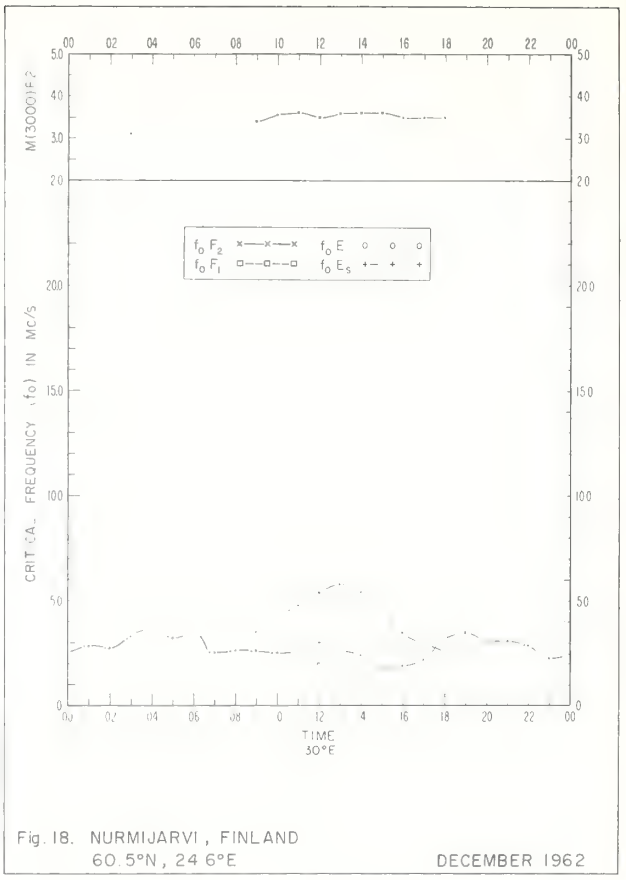

Fig. 18. NURMIJARVI, FINLAND
60.5°N, 24.6°E
DECEMBER 1962

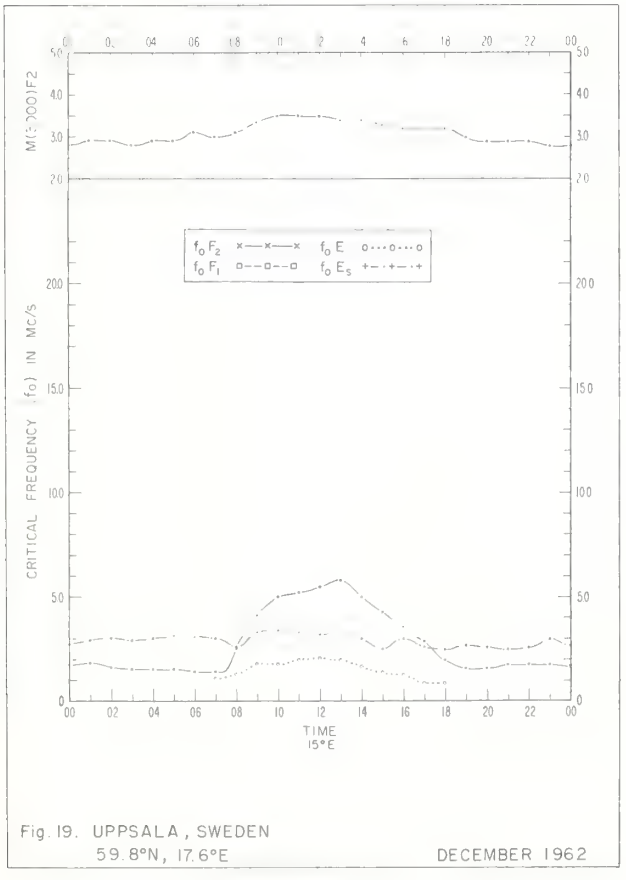

Fig. 19. UPPSALA, SWEDEN
59.8°N, 17.6°E
DECEMBER 1962

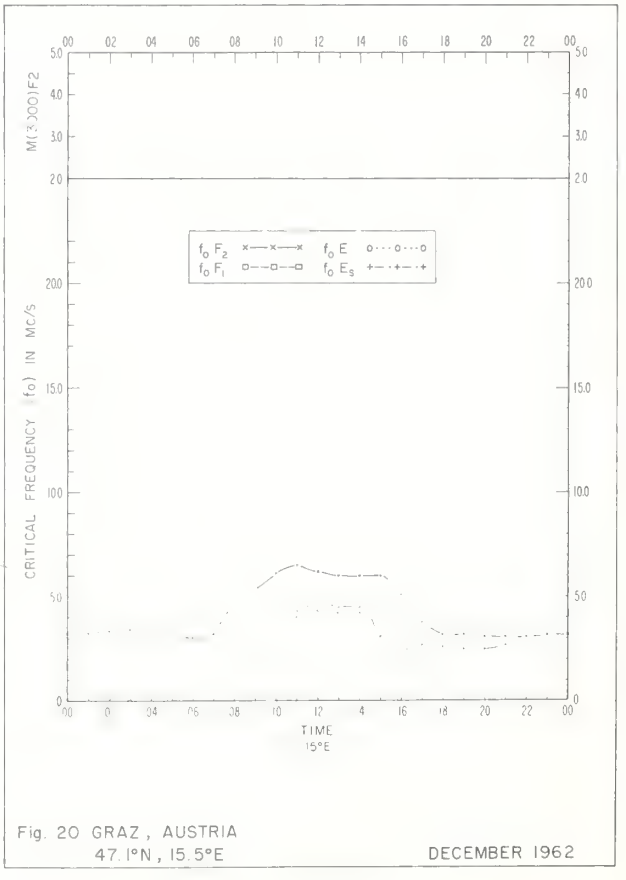

Fig. 20 GRAZ, AUSTRIA
47.1°N, 15.5°E
DECEMBER 1962

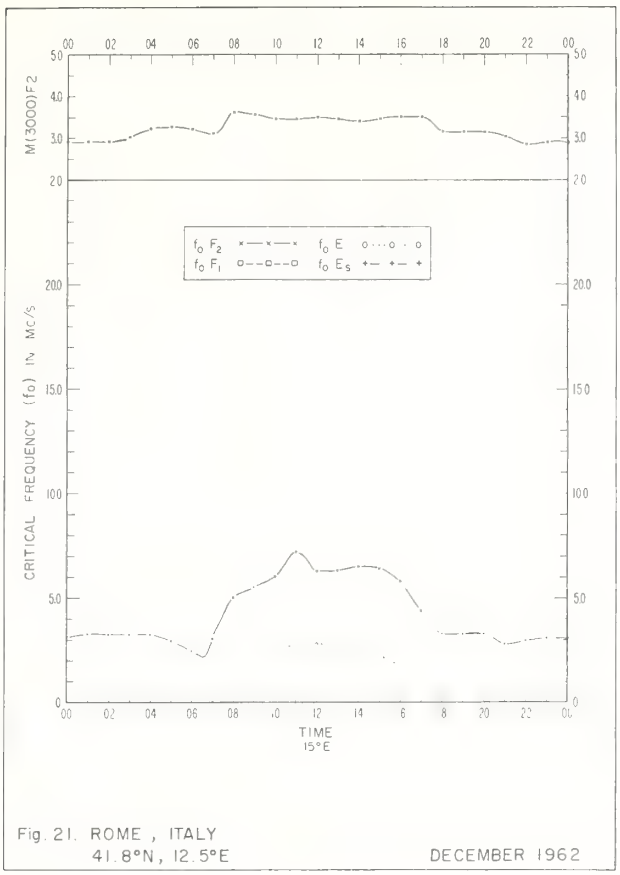

Fig. 21. ROME, ITALY
41.8°N, 12.5°E
DECEMBER 1962

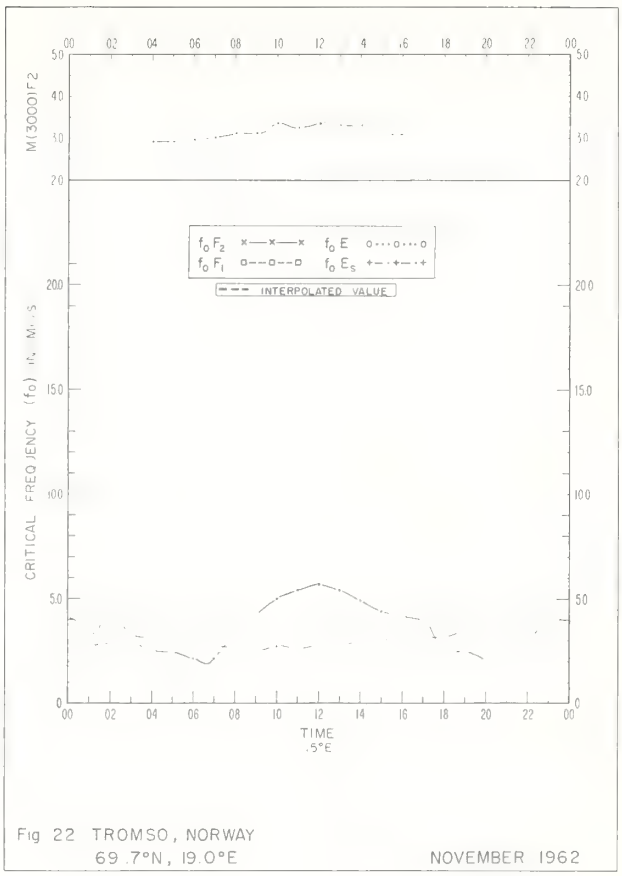

Fig. 22 TROMSO, NORWAY
69.7°N, 19.0°E
NOVEMBER 1962

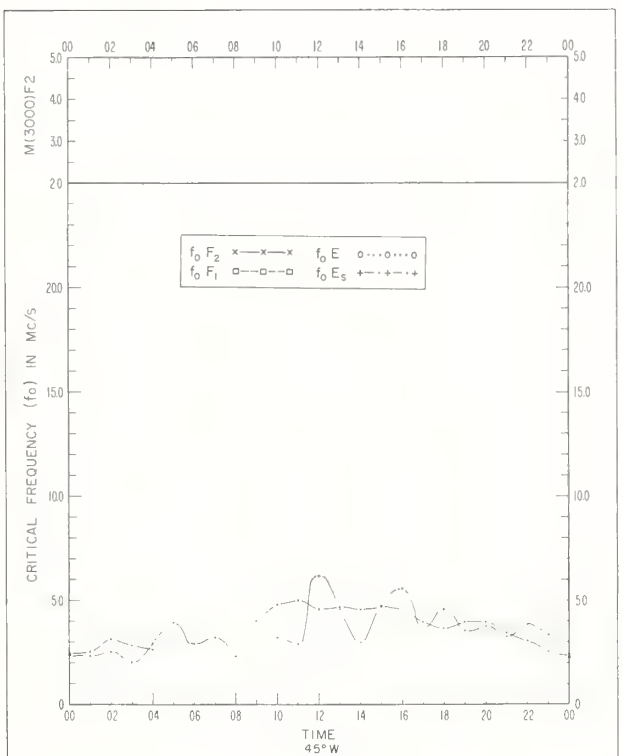

Fig. 23. GODHAVN, GREENLAND
69.3°N, 53.5°W
NOVEMBER 1962

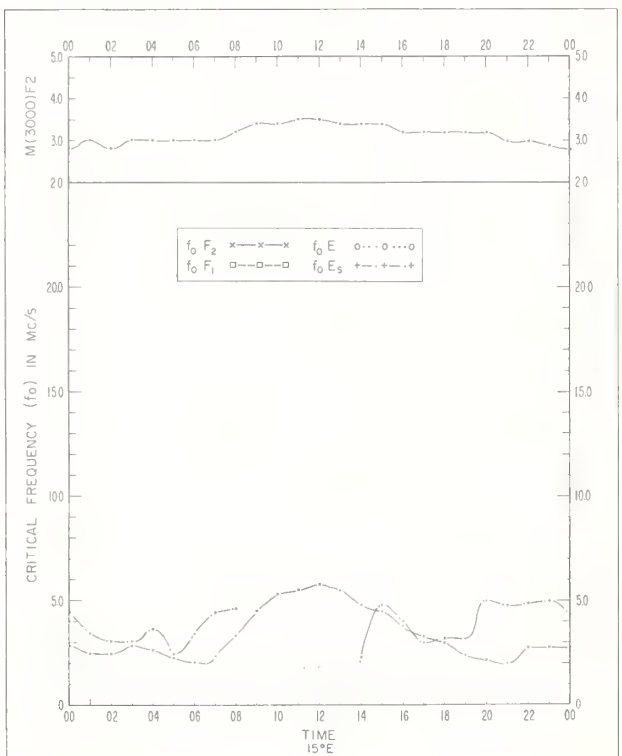

Fig. 24. KIRUNA, SWEDEN
67.8°N, 20.4°E
NOVEMBER 1962

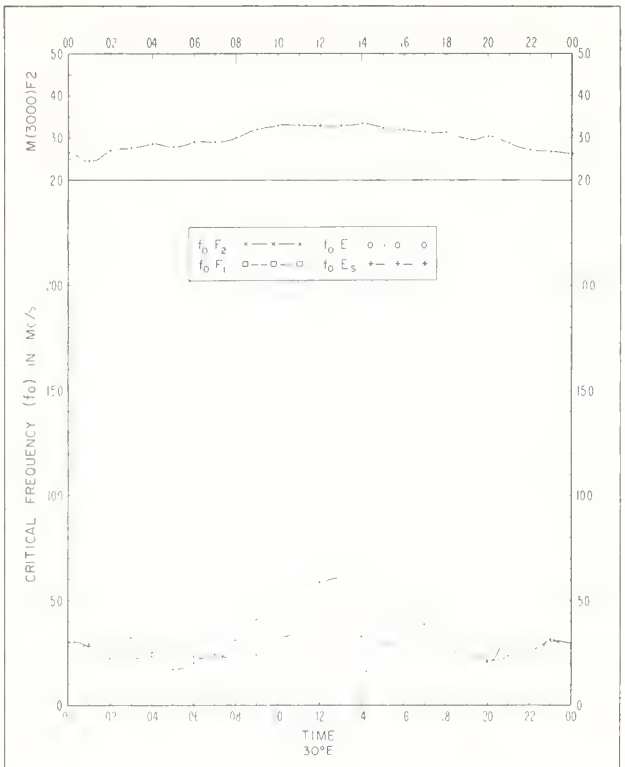

Fig 25. SODANKYLA , FINLAND
67 4°N, 26 6°E
NOVEMBER 1962

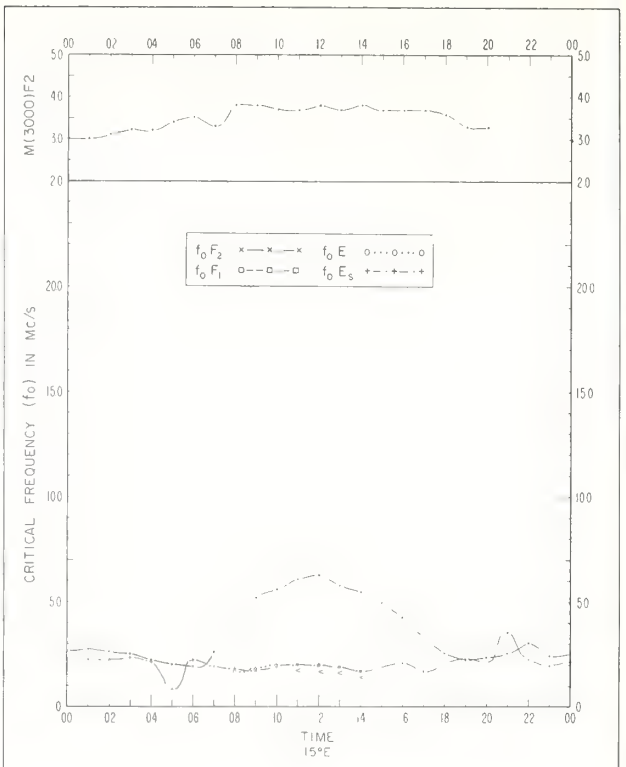

Fig 26. LULEA , SWEDEN
65 6°N, 22 1°E
NOVEMBER 1962

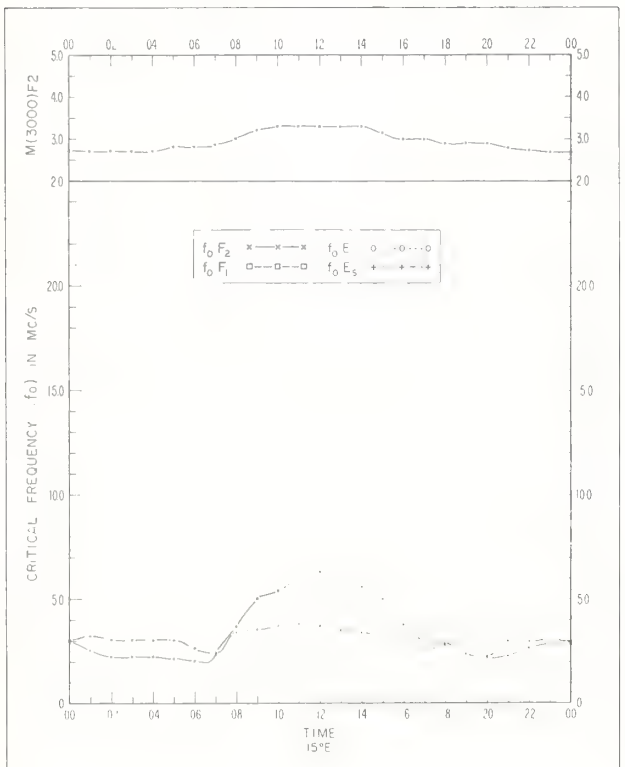

Fig 27. LYCKSELE , SWEDEN
64 7°N, 18 8°E
NOVEMBER 1962

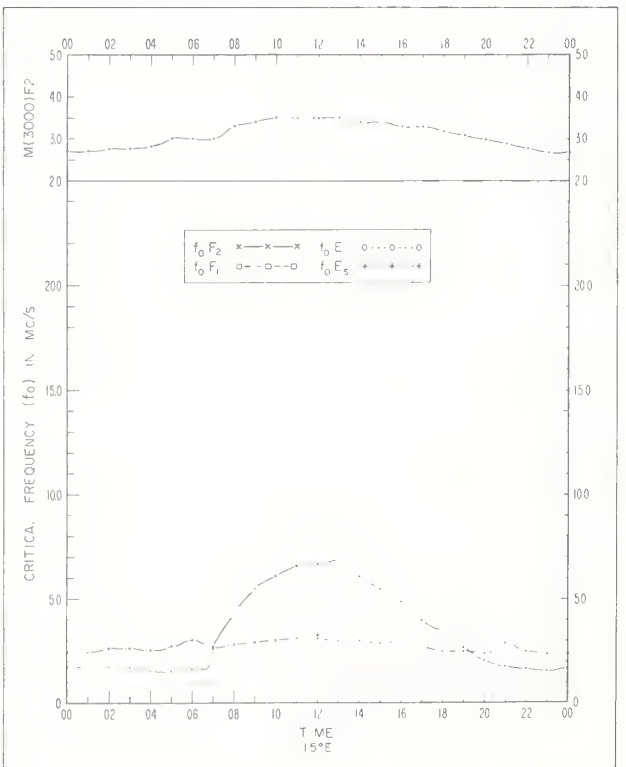

Fig. 28. UPPSALA , SWEDEN
59. 8°N, 17.6°E
NOVEMBER 1962

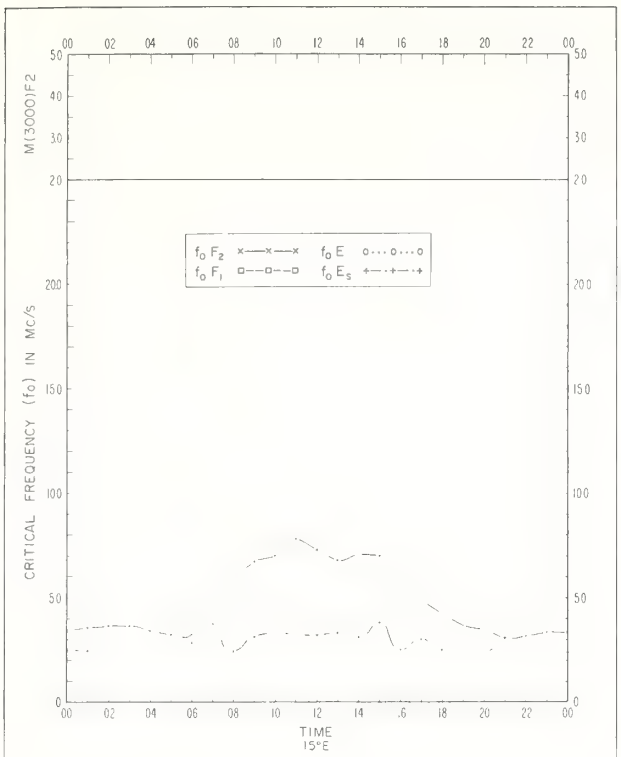

Fig 29 GRAZ, AUSTRIA
47.1°N, 15.5°E
NOVEMBER 1962

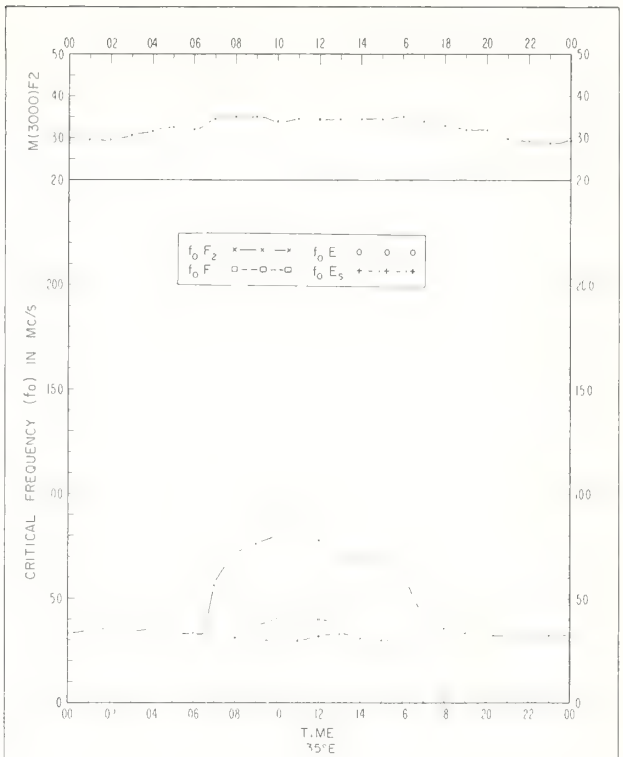

Fig 30 WAKKANAI, JAPAN
45.4°N, 141.7°E
NOVEMBER 1962

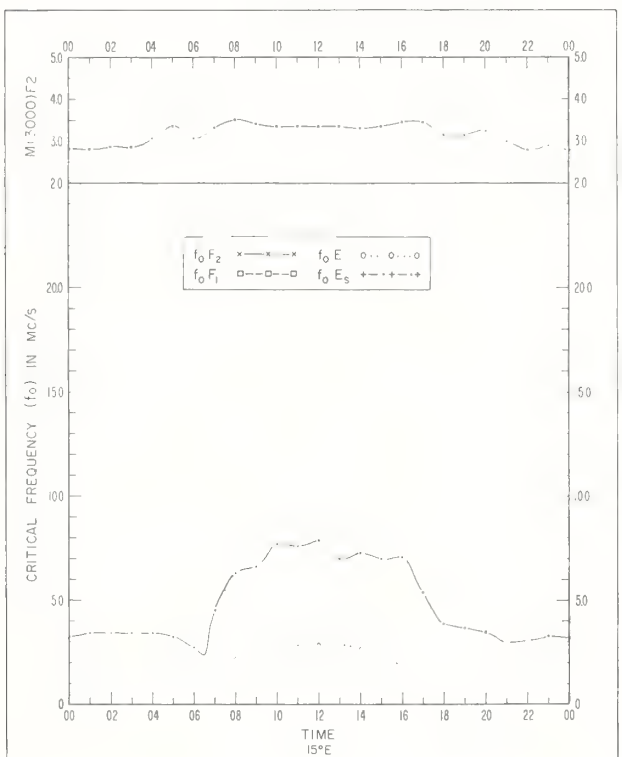

Fig. 31. ROME, ITALY
41.8°N, 12.5°E
NOVEMBER 1962

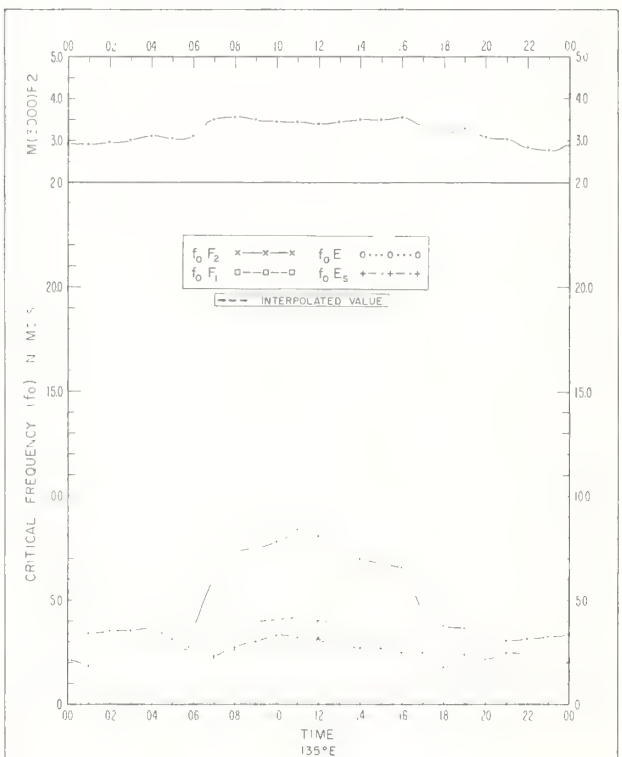

Fig. 32. AKITA, JAPAN
39.7°N, 140.1°E
NOVEMBER 1962

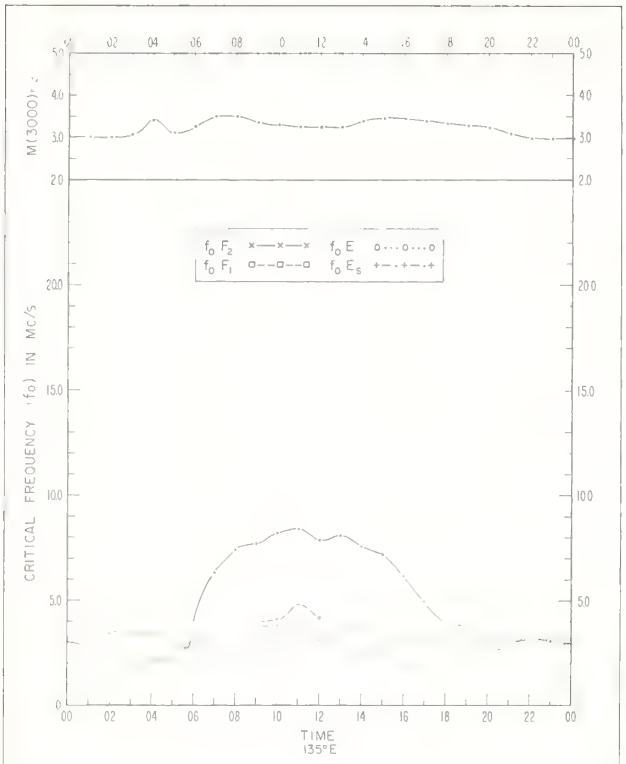

Fig 33. KOKUBUNJI, TOKYO, JAPAN
35.7°N, 139.5°E
NOVEMBER 1962

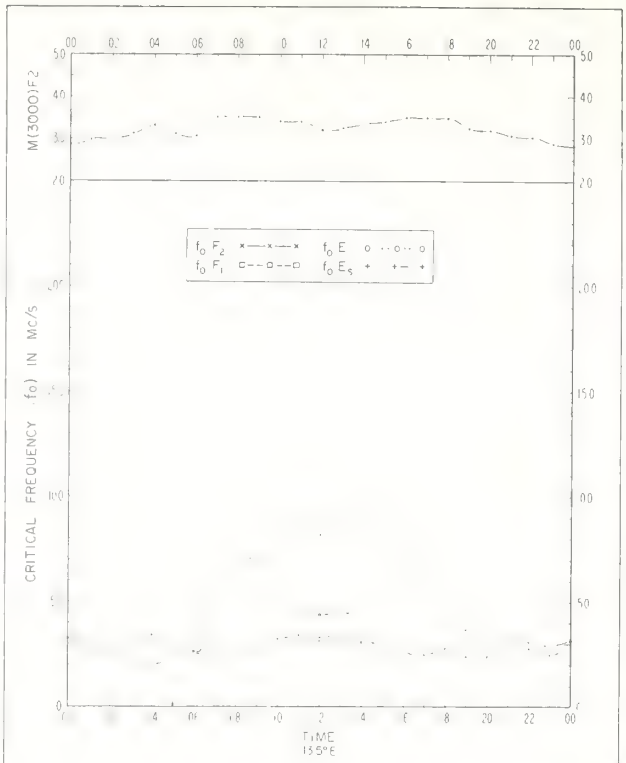

Fig 34 YAMAGAWA, JAPAN
31.2°N, 130.6°E
NOVEMBER 1962

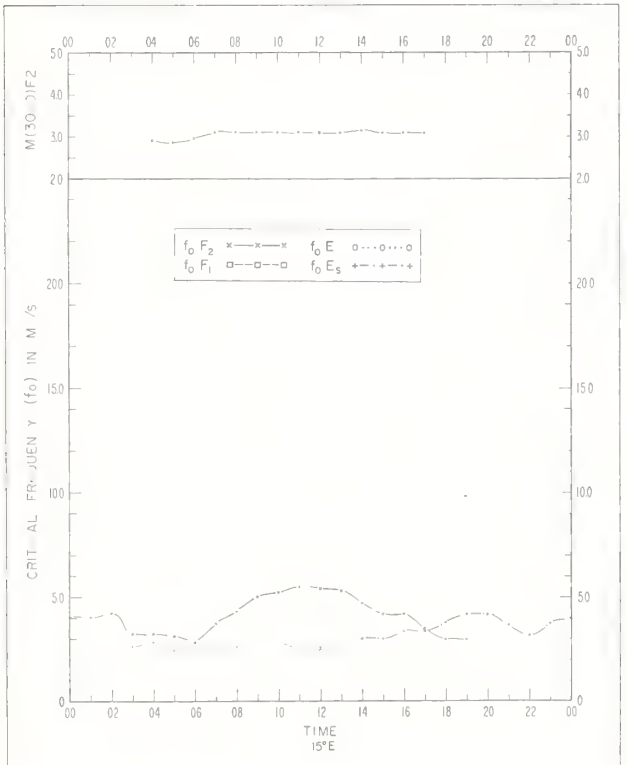

Fig. 35. TROMSO, NORWAY
69.7°N, 19.0°E
OCTOBER 1962

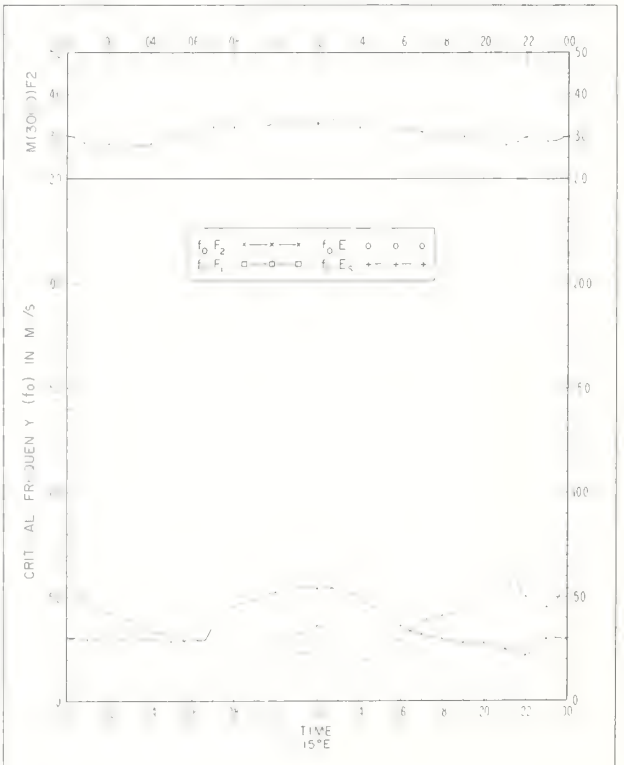

Fig. 36. KIRUNA, SWEDEN
67.8°N, 20.4°E
OCTOBER 1962

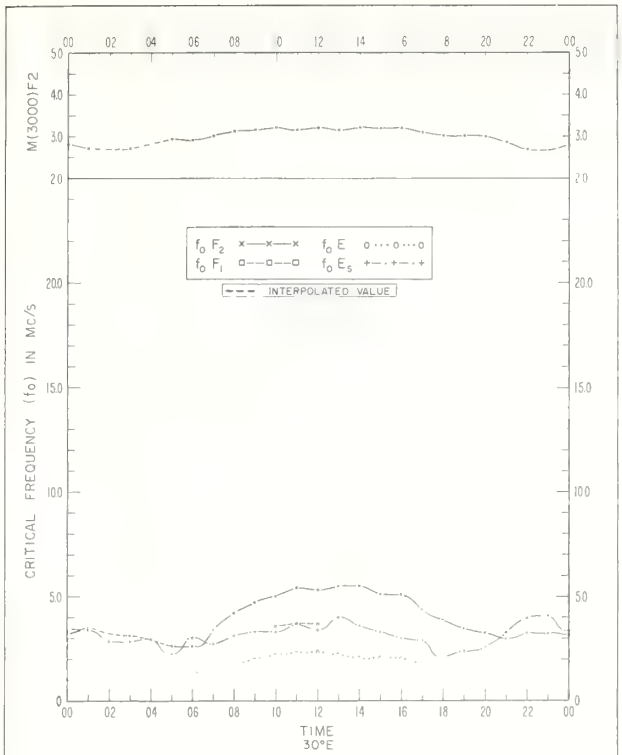

Fig 37. SODANKYLA , FINLAND
67.4°N, 26.6°E OCTOBER 1962

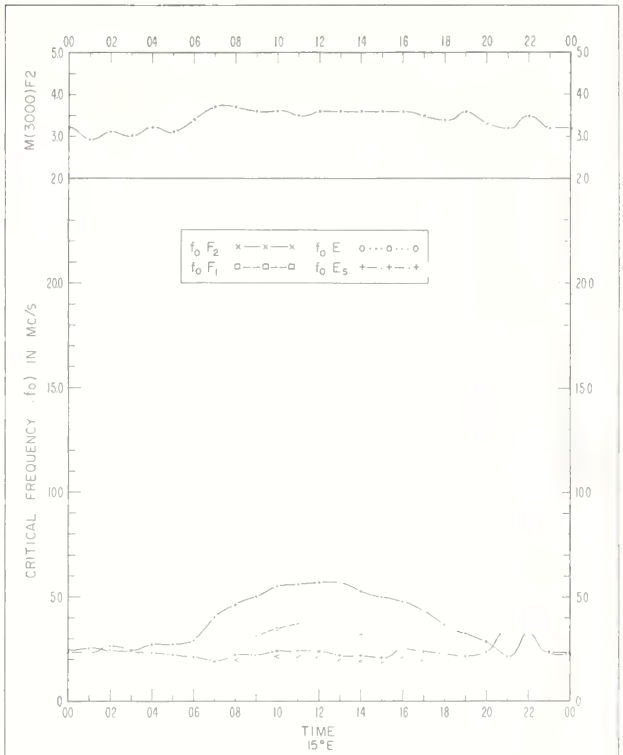

Fig. 38. LULEA , SWEDEN
65 6°N, 22 1°E OCTOBER 1962

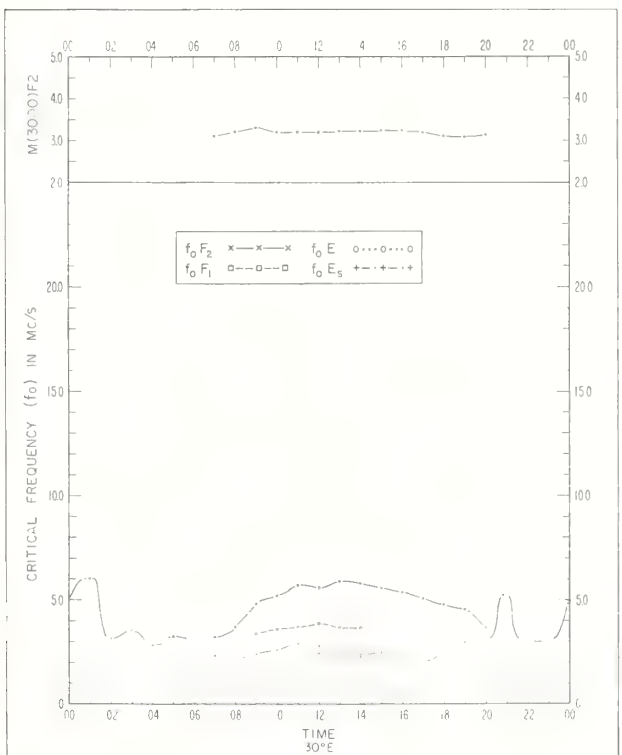

Fig.39. NURMIJARVI, FINLAND
60.5°N, 24.6°E OCTOBER 1962

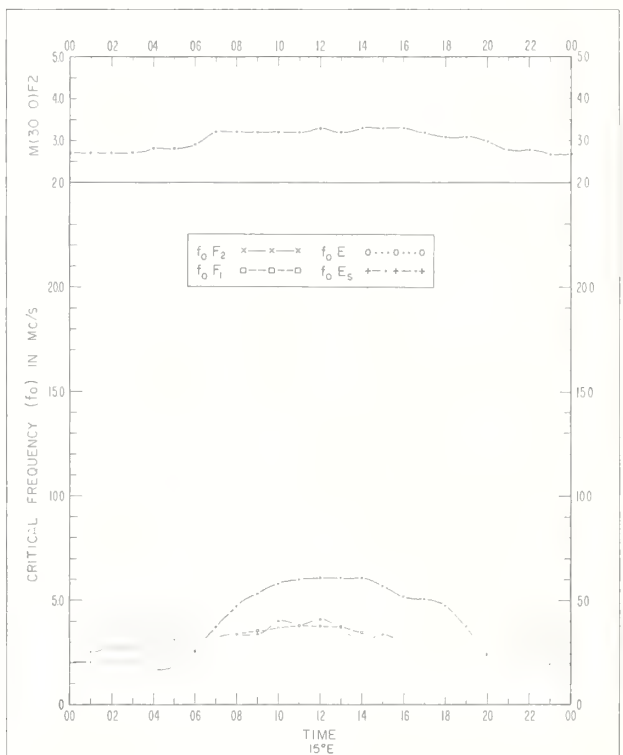

Fig 40 UPPSALA, SWEDEN
59 8°N, 17 6°E OCTOBER 1962

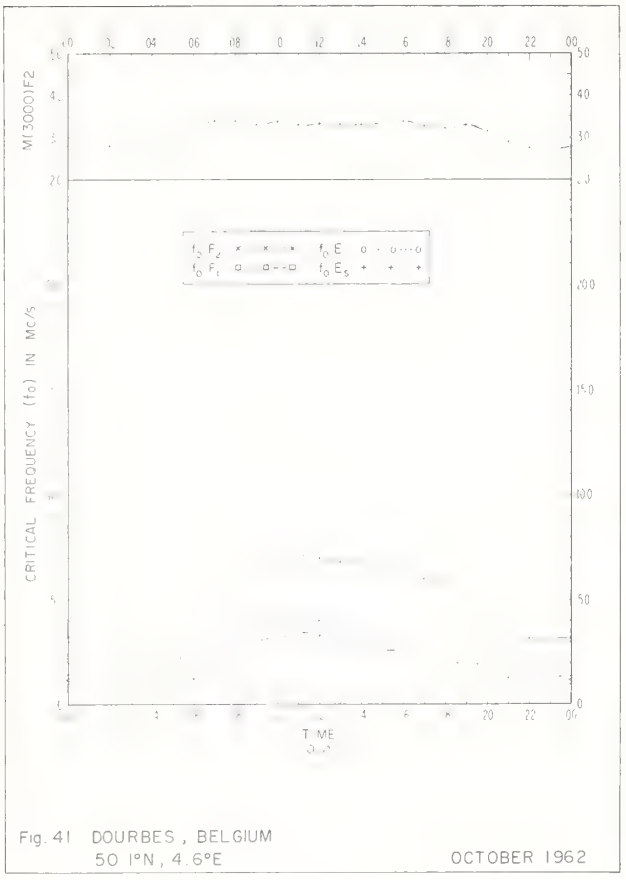

Fig. 41 DOURBES, BELGIUM
50 1°N, 4.6°E
OCTOBER 1962

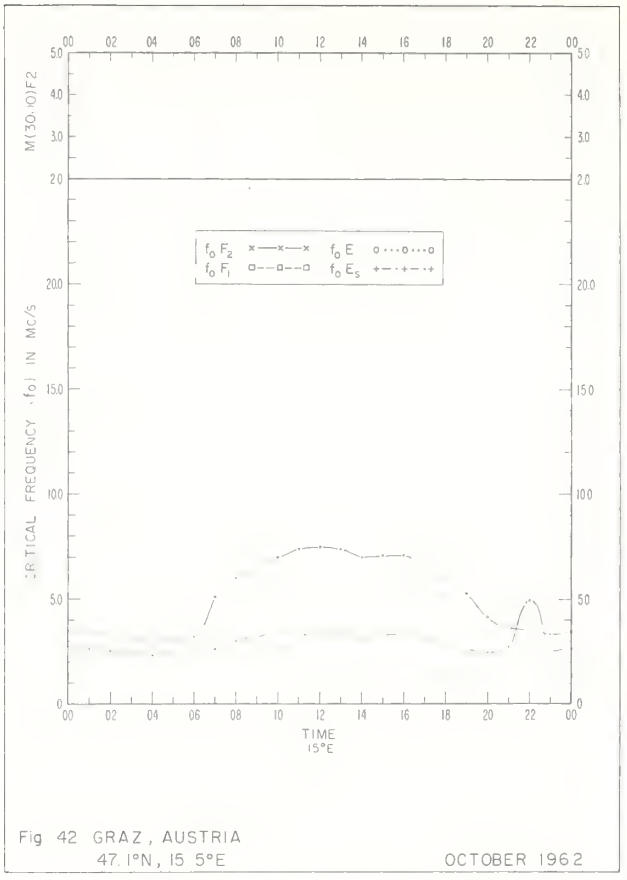

Fig 42 GRAZ, AUSTRIA
47.1°N, 15 5°E
OCTOBER 1962

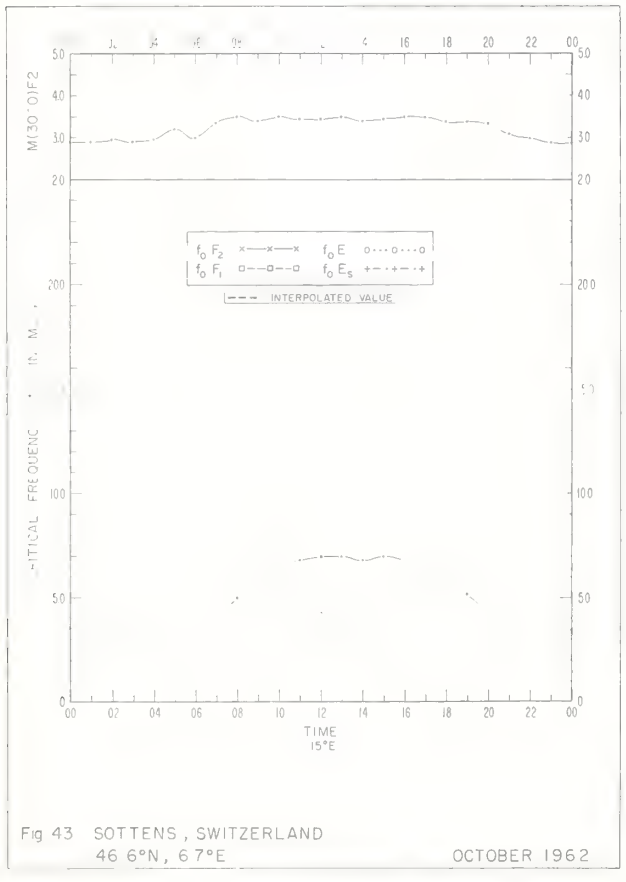

Fig 43 SOTTENS, SWITZERLAND
46 6°N, 6.7°E
OCTOBER 1962

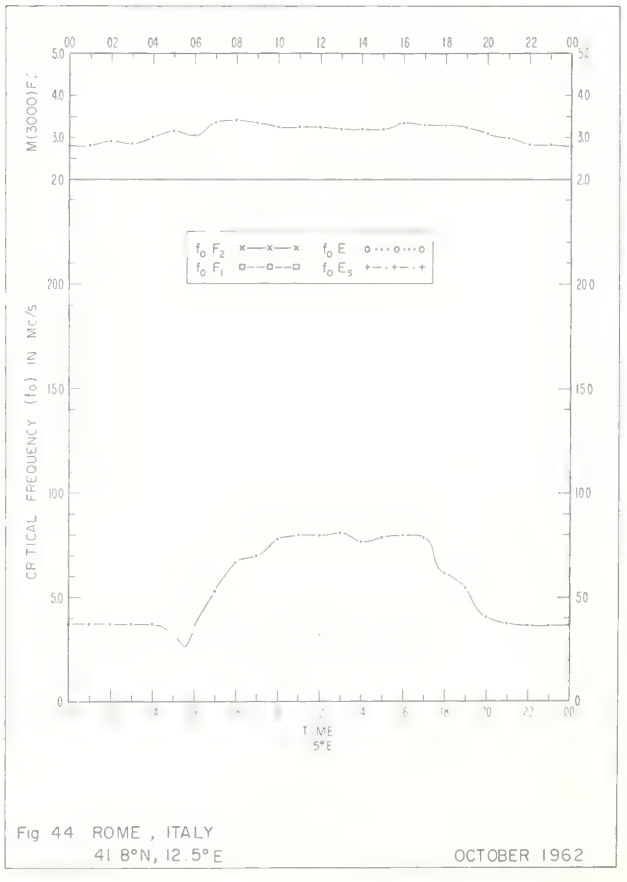

Fig 44 ROME, ITALY
41 8°N, 12.5°E
OCTOBER 1962

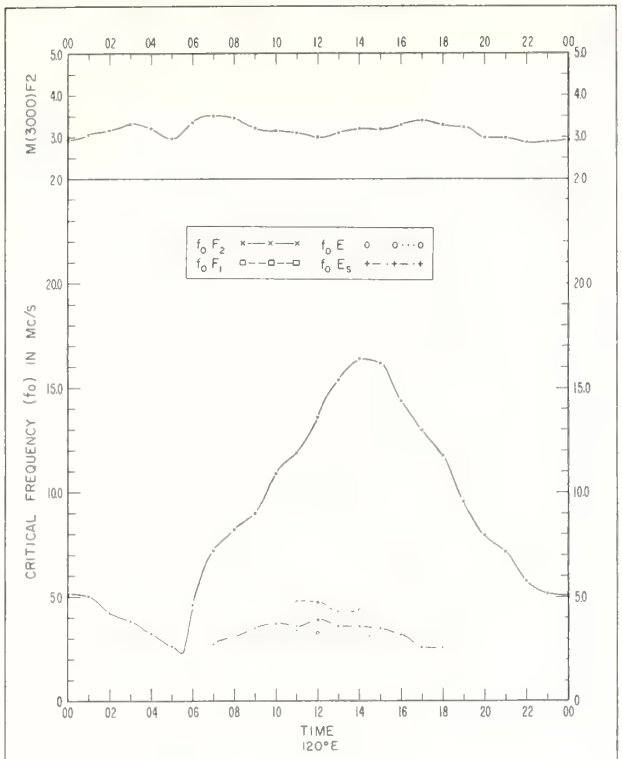

Fig. 45 TAIPEI (TAIWAN), CHINA
25.0°N, 121.5°E
OCTOBER 1962

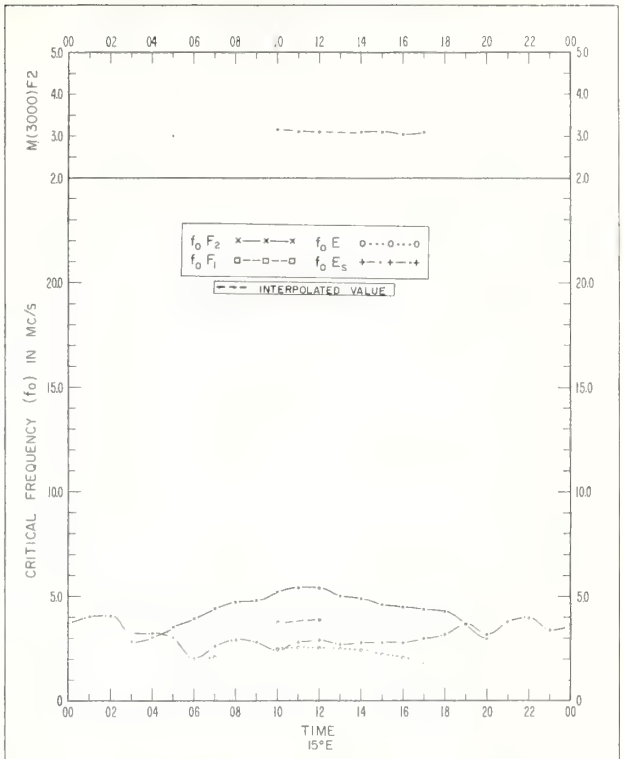

Fig. 46. TROMSO, NORWAY
69.7°N, 19.0°E
SEPTEMBER 1962

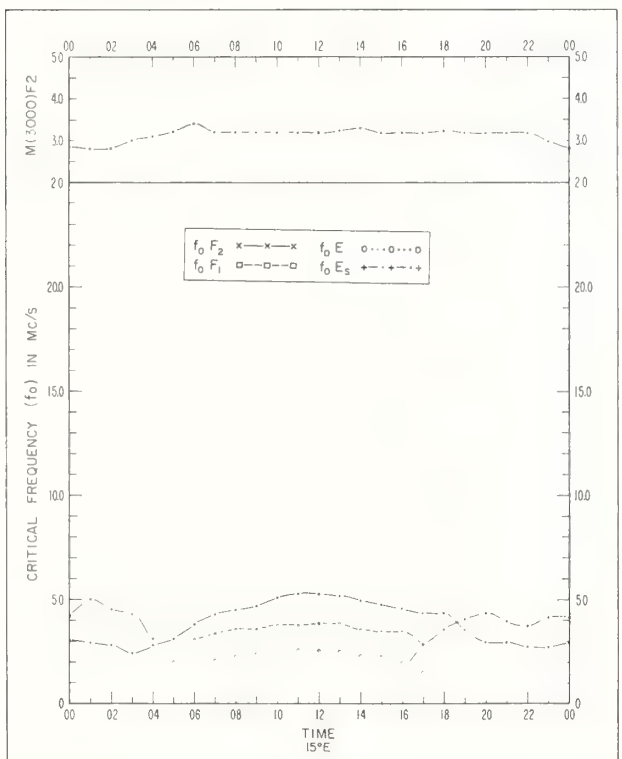

Fig. 47. KIRUNA, SWEDEN
67.8°N, 20.4°E
SEPTEMBER 1962

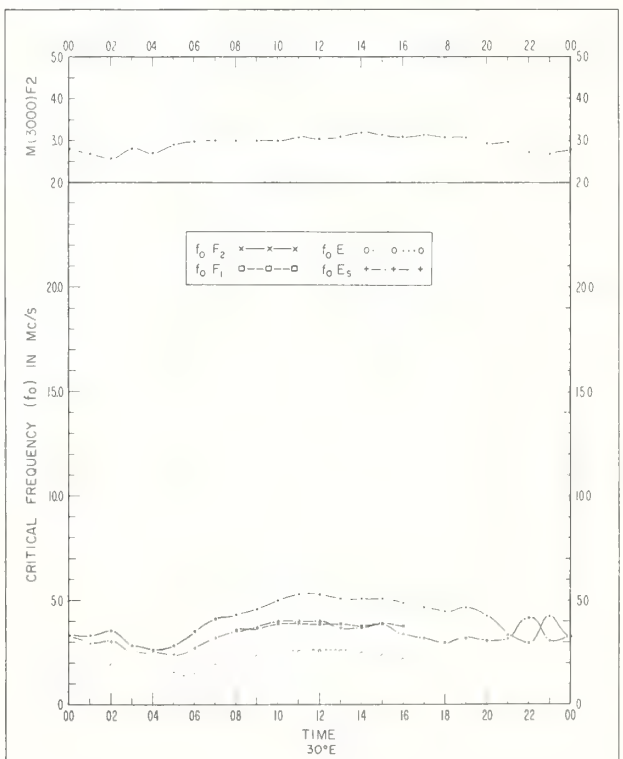

Fig. 48. SODANKYLA, FINLAND
67.4°N, 26.6°E
SEPTEMBER 1962

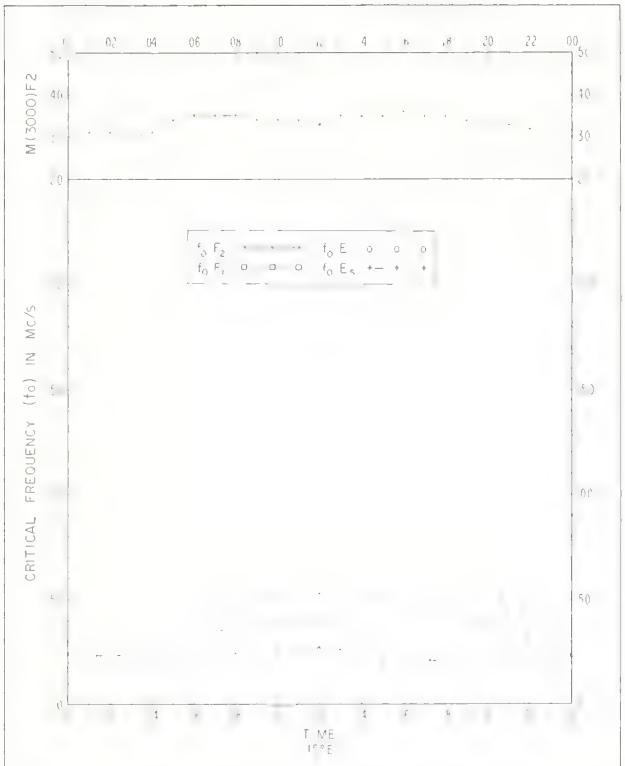

Fig 49 LULEA, SWEDEN
65.6°N, 22 1°E
SEPTEMBER 1962

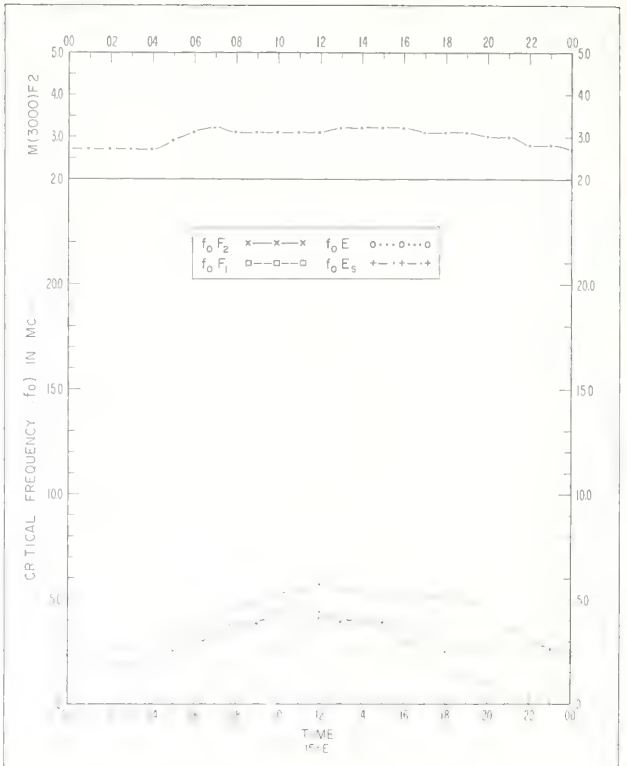

Fig 50 UPPSALA, SWEDEN
59 8°N, 17 6°E
SEPTEMBER 1962

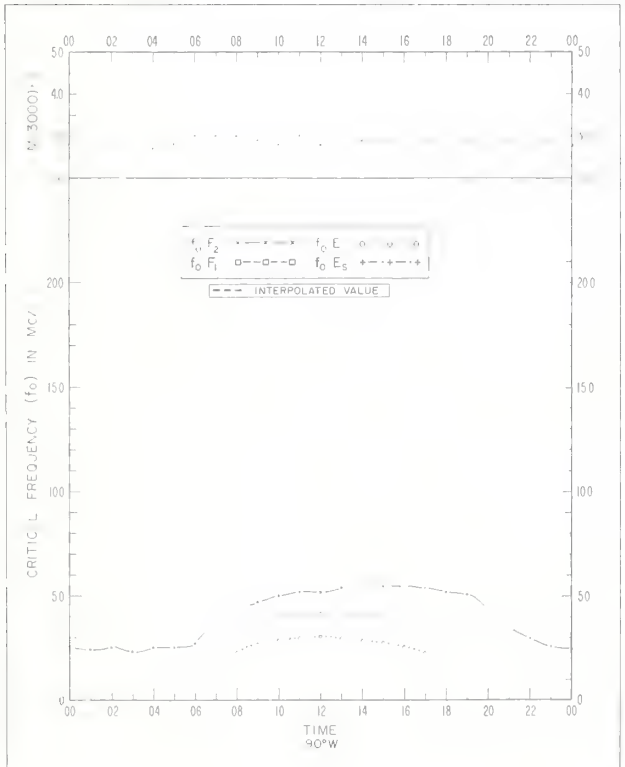

Fig 51 WINNIPEG, CANADA
49.9°N, 97 4°W
SEPTEMBER 1962

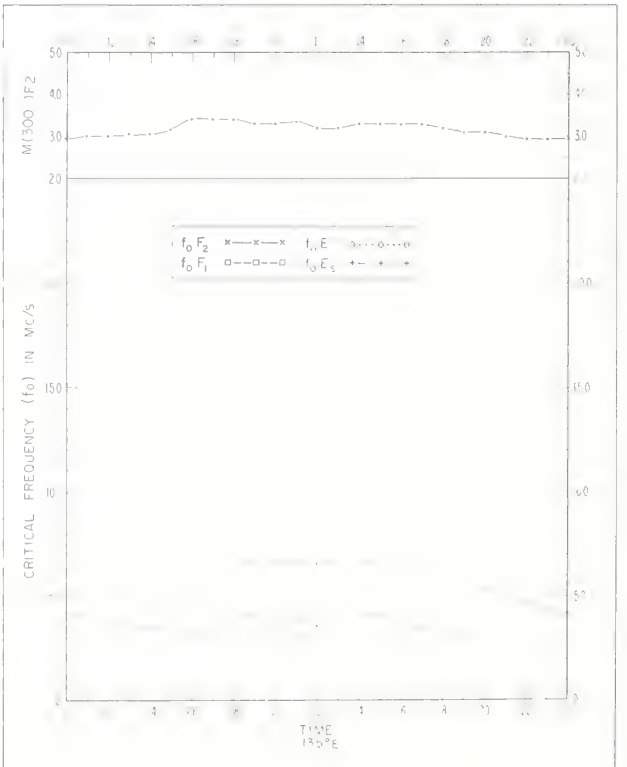

Fig 52. WAKKANAI, JAPAN
45 4°N, 141 7°E
SEPTEMBER 1962

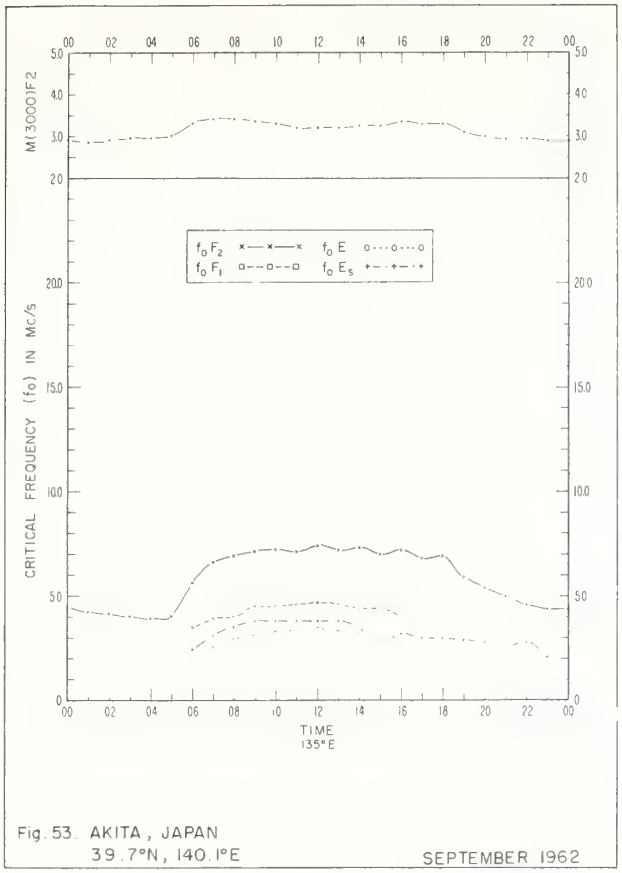

Fig. 53. AKITA, JAPAN
39.7°N, 140.1°E
SEPTEMBER 1962

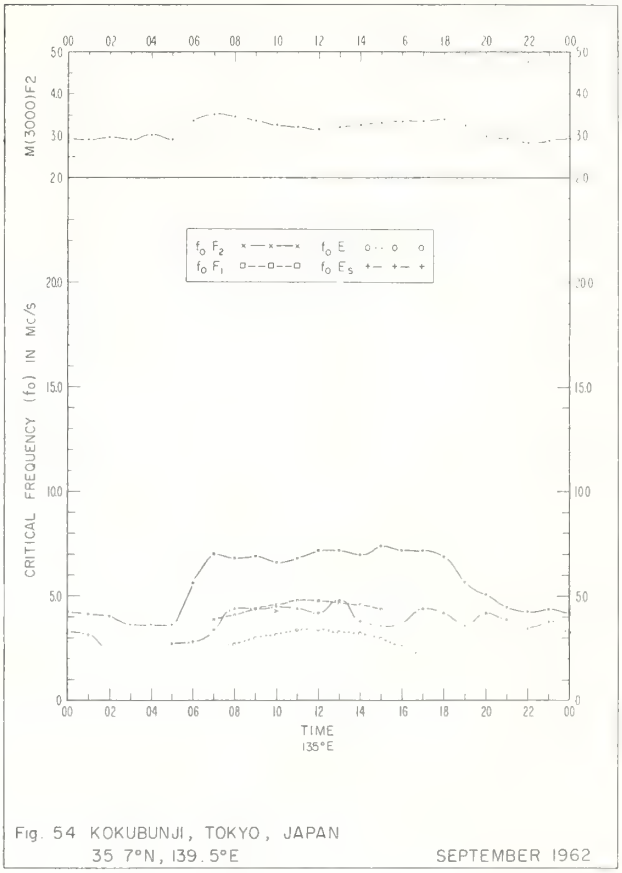

Fig. 54 KOKUBUNJI, TOKYO, JAPAN
35.7°N, 139.5°E
SEPTEMBER 1962

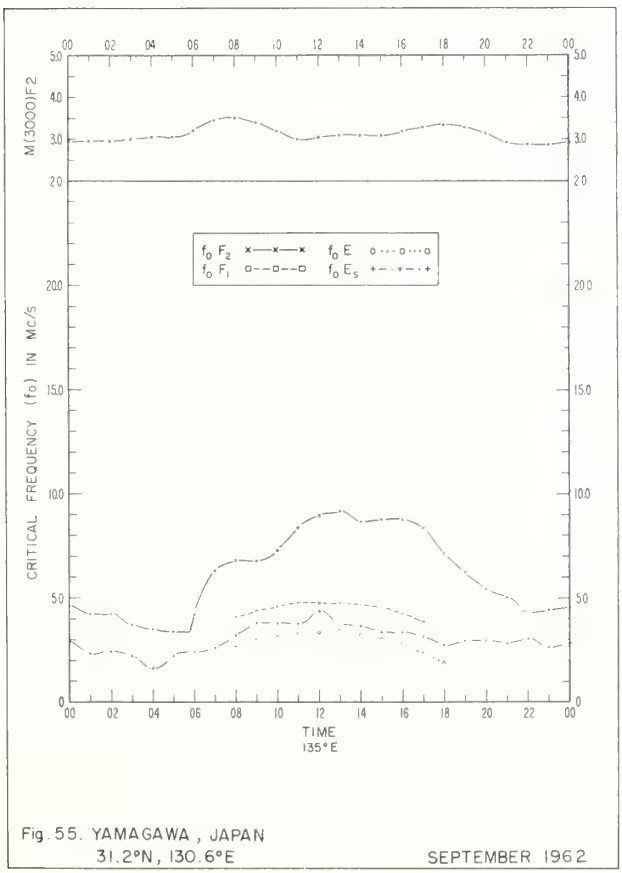

Fig. 55. YAMAGAWA, JAPAN
31.2°N, 130.6°E
SEPTEMBER 1962

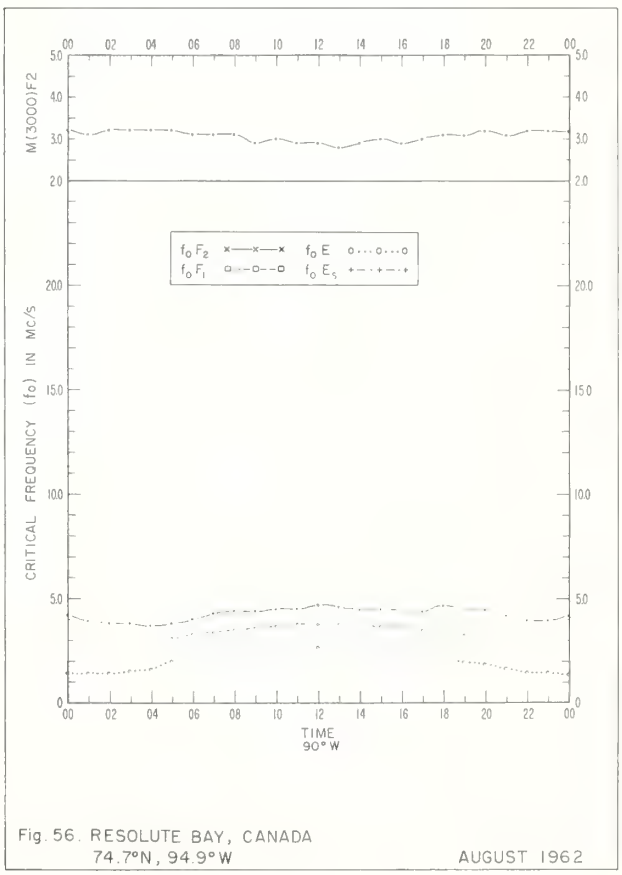

Fig. 56. RESOLUTE BAY, CANADA
74.7°N, 94.9°W
AUGUST 1962

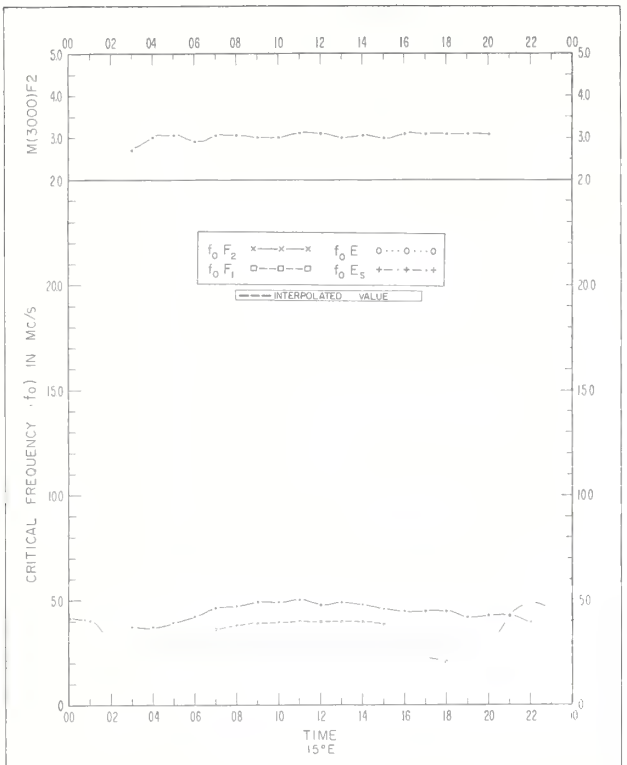

Fig 57 TROMSO, NORWAY
69.7°N, 19.0°E
AUGUST 1962

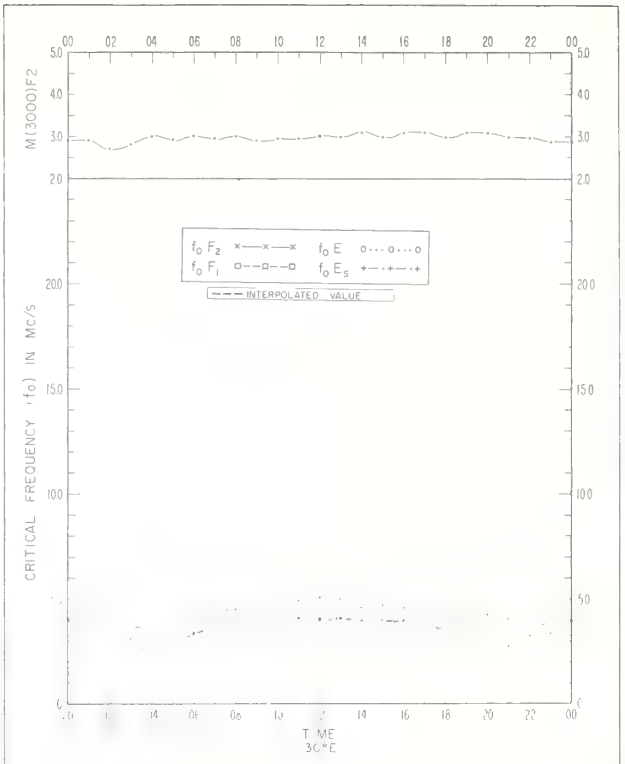

Fig 58 SODANKYLA, FINLAND
67.4°N, 26.6°E
AUGUST 1962

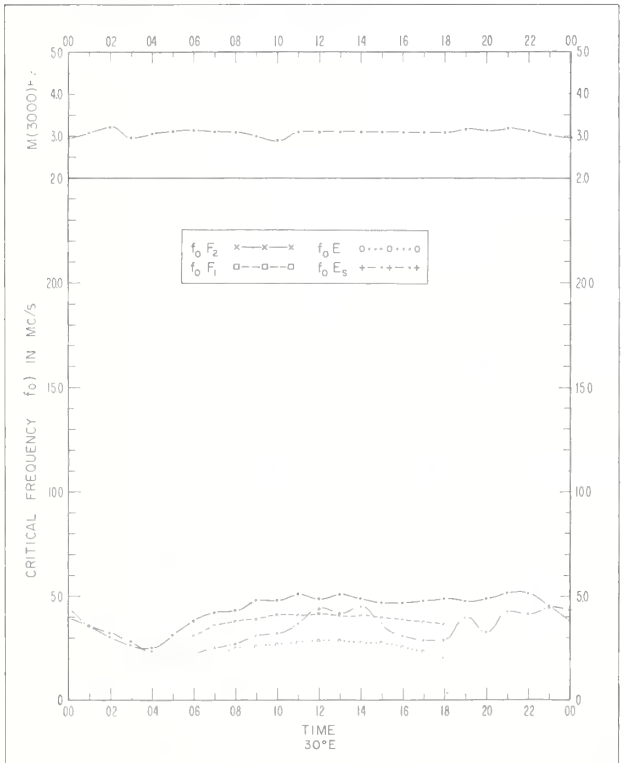

Fig. 59. NURMIJARVI, FINLAND
60.5°N, 24.6°E
AUGUST 1962

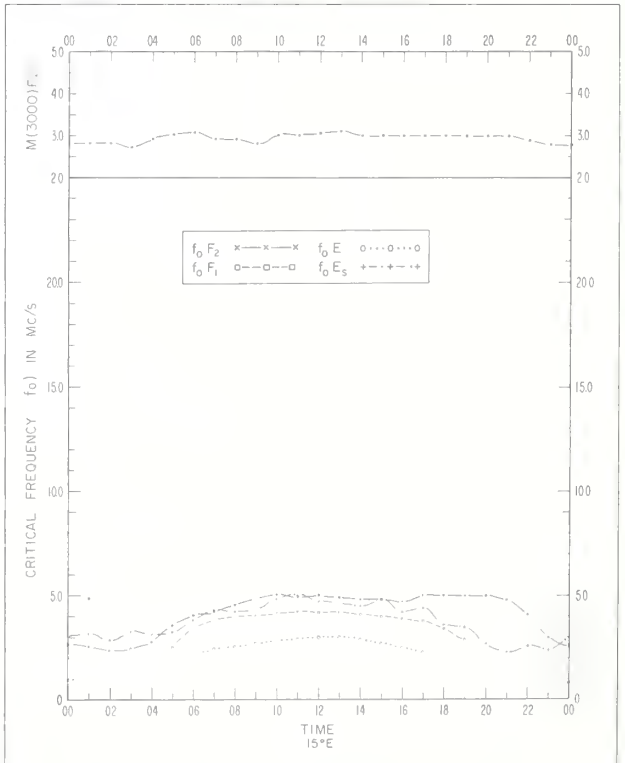

Fig 60. UPPSALA, SWEDEN
59.8°N, 17.6°E
AUGUST 1962

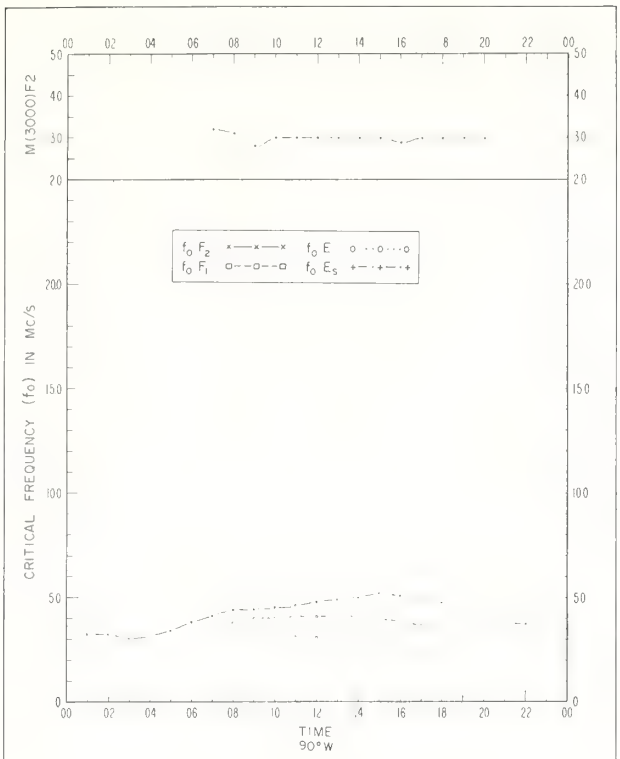

Fig. 61. CHURCHILL, CANADA
58 8°N, 94 2°W
AUGUST 1962

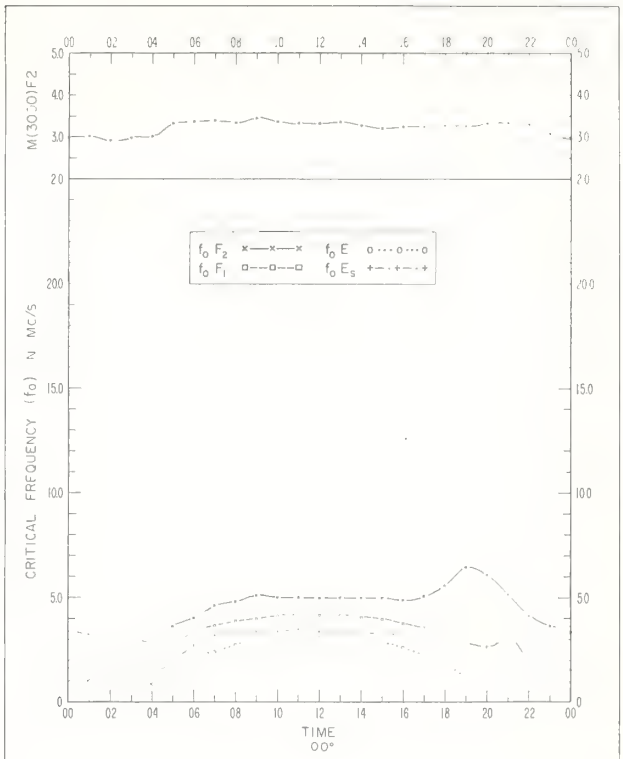

Fig. 62. DOURBES, BELGIUM
50 1°N, 4 6°E
AUGUST 1962

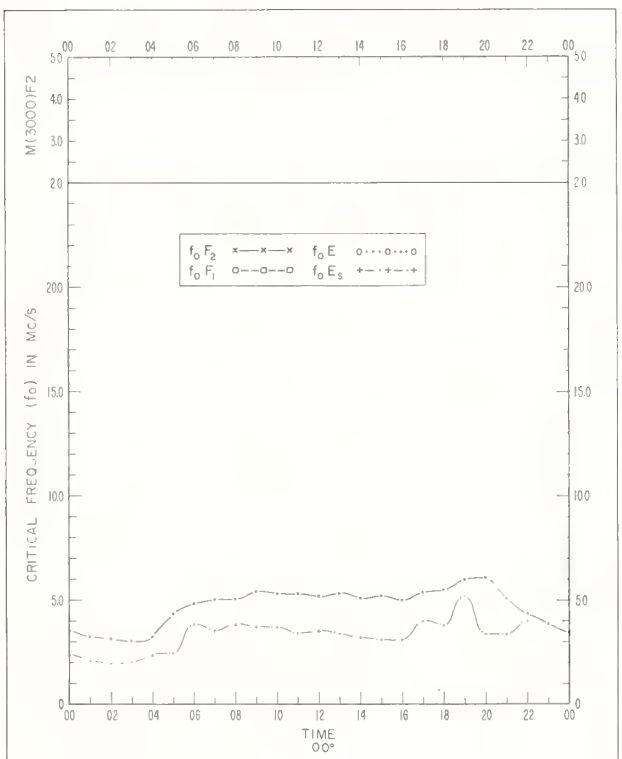

Fig. 63. PRUHONICE, CZECHOSLOVAKIA
50 0°N, 14.6°E
AUGUST 1962

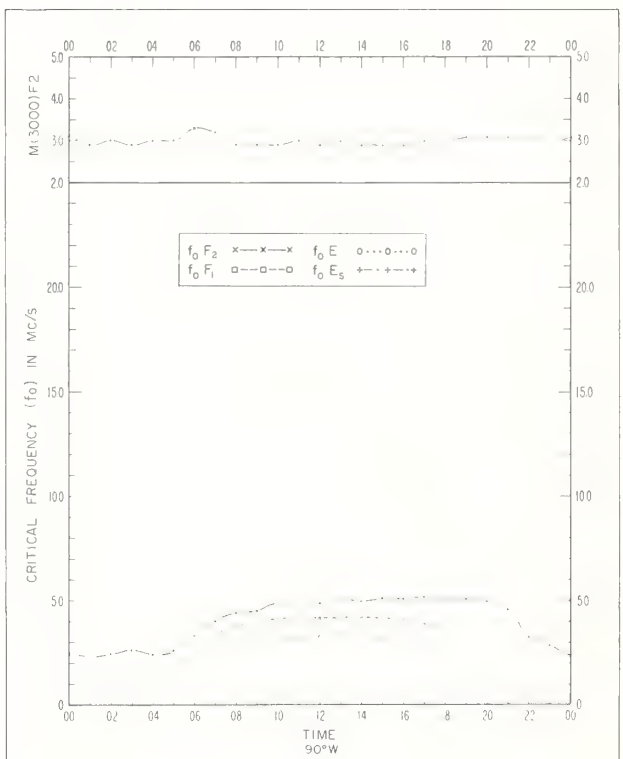

Fig 64 WINNIPEG, CANADA
49.9°N, 97.4°W
AUGUST 1962

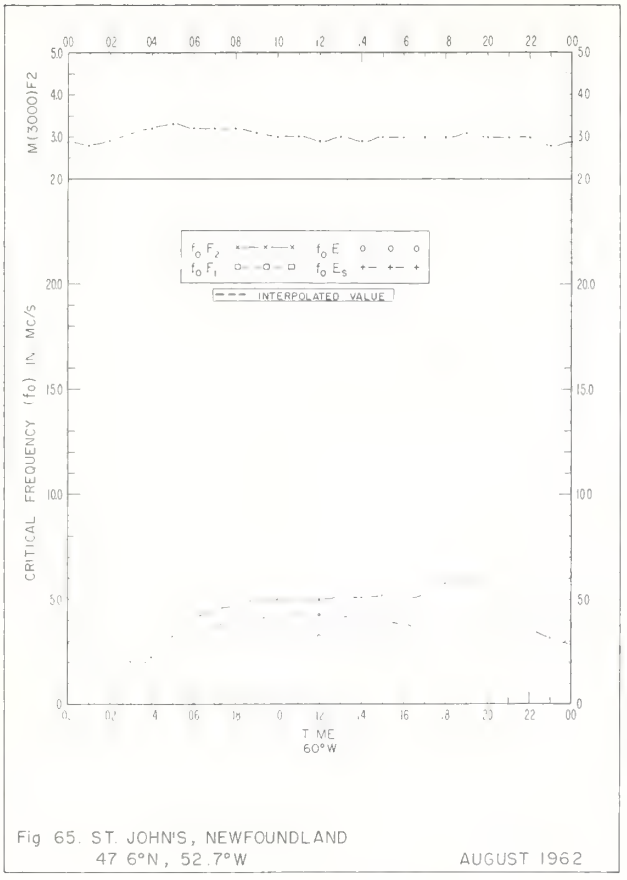

Fig 65. ST. JOHN'S, NEWFOUNDLAND
47 6°N, 52.7°W
AUGUST 1962

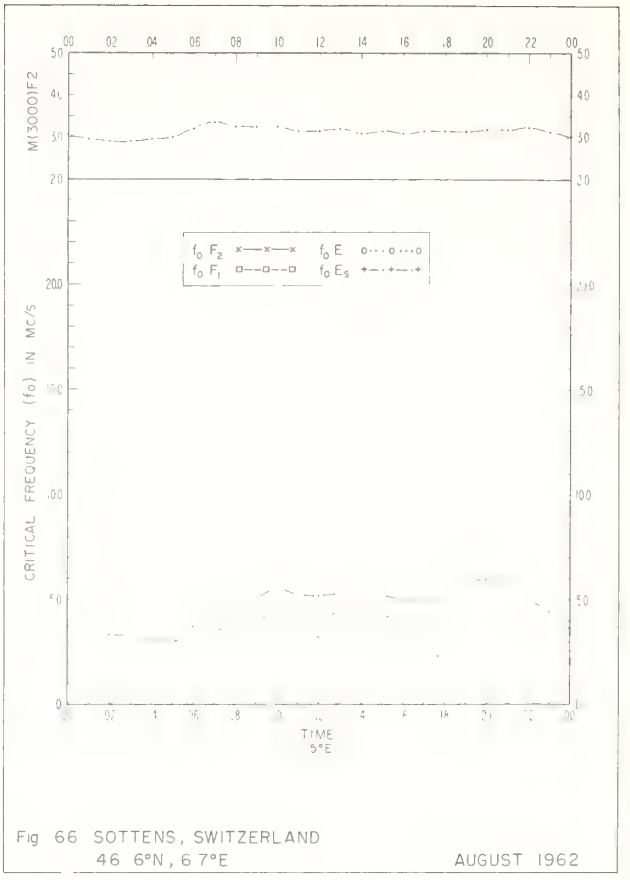

Fig 66 SOTTENS, SWITZERLAND
46 6°N, 6 7°E
AUGUST 1962

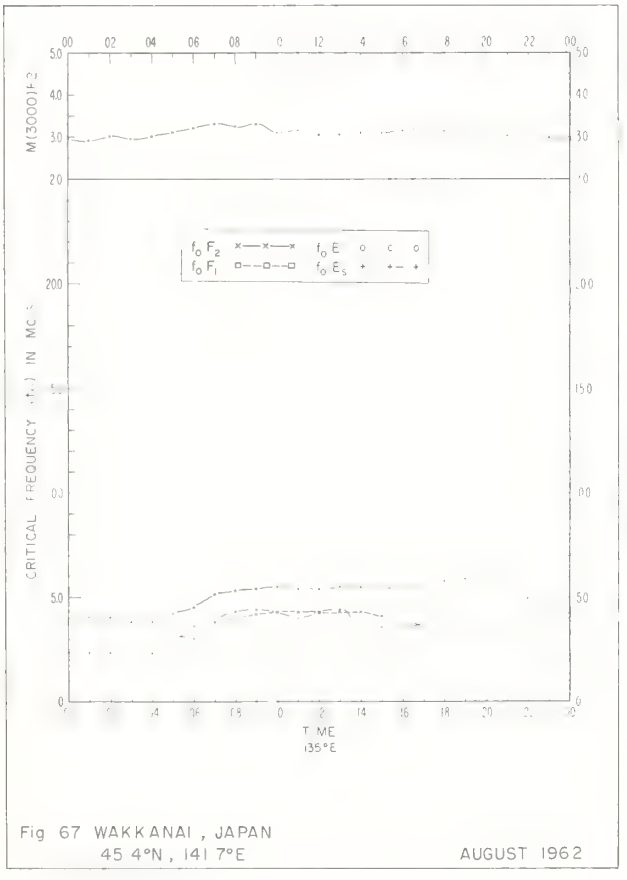

Fig 67 WAKKANAI, JAPAN
45 4°N, 141 7°E
AUGUST 1962

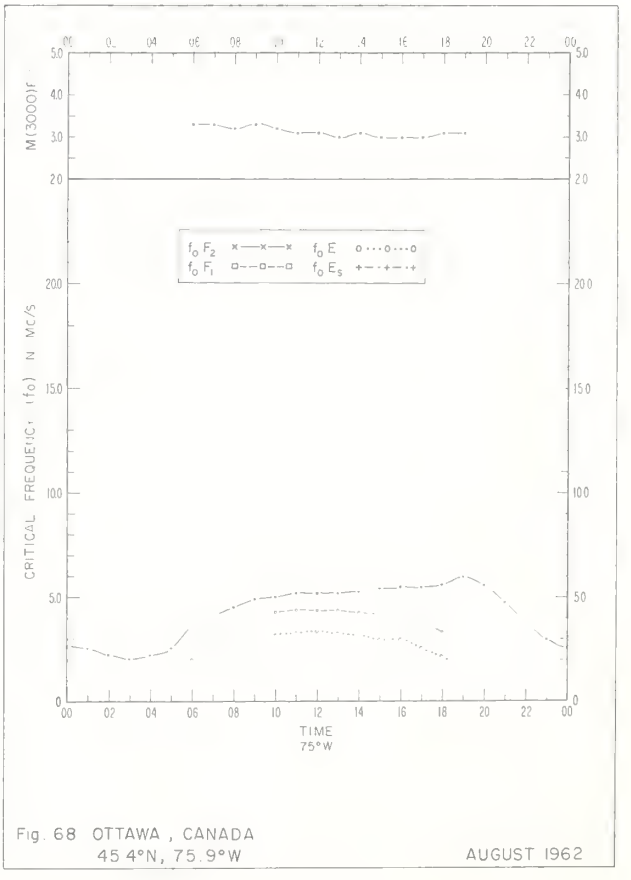

Fig. 68 OTTAWA, CANADA
45 4°N, 75.9°W
AUGUST 1962

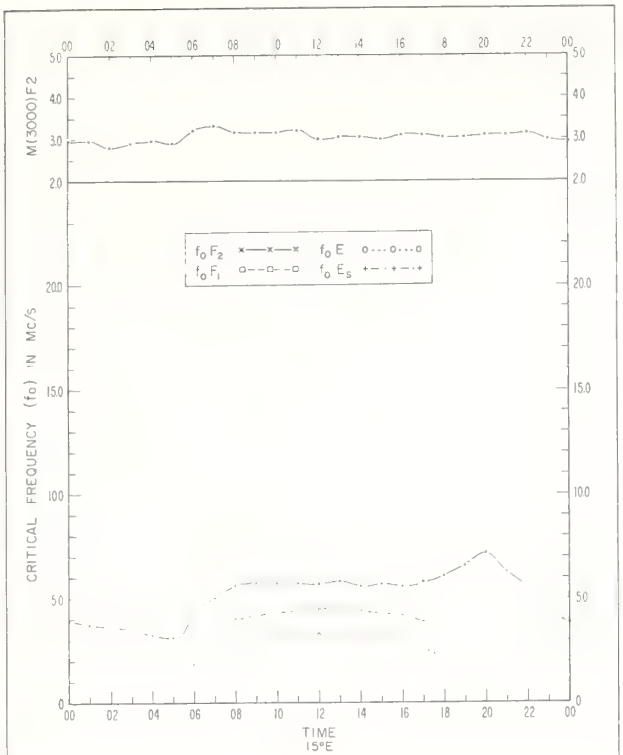

Fig. 69. ROME, ITALY
41.8°N, 12.5°E
AUGUST 1962

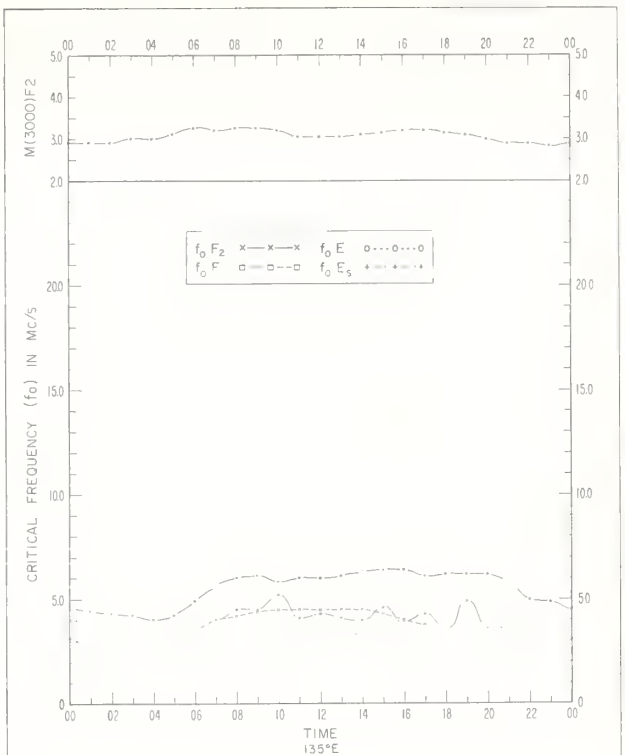

Fig. 70. AKITA, JAPAN
39.7°N, 140.1°E
AUGUST 1962

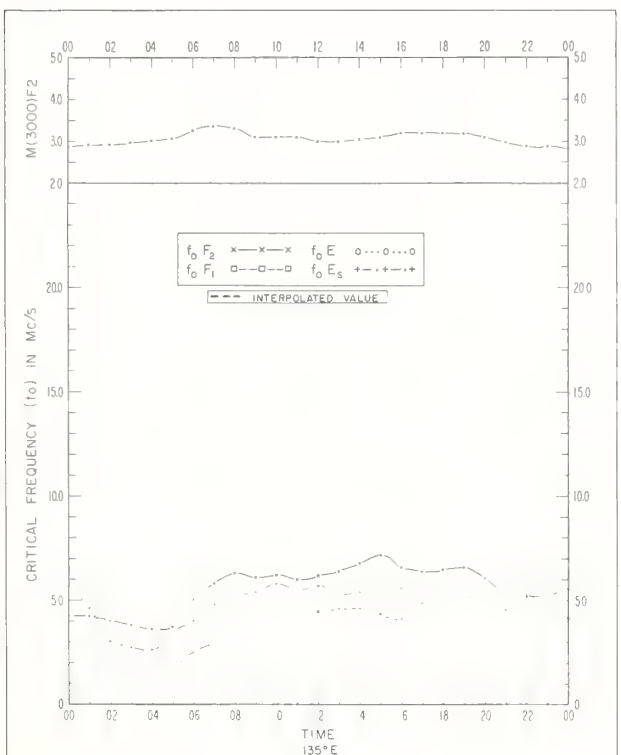

Fig. 71 KOKUBUNJI, TOKYO, JAPAN
35.7°N, 139.5°E
AUGUST 1962

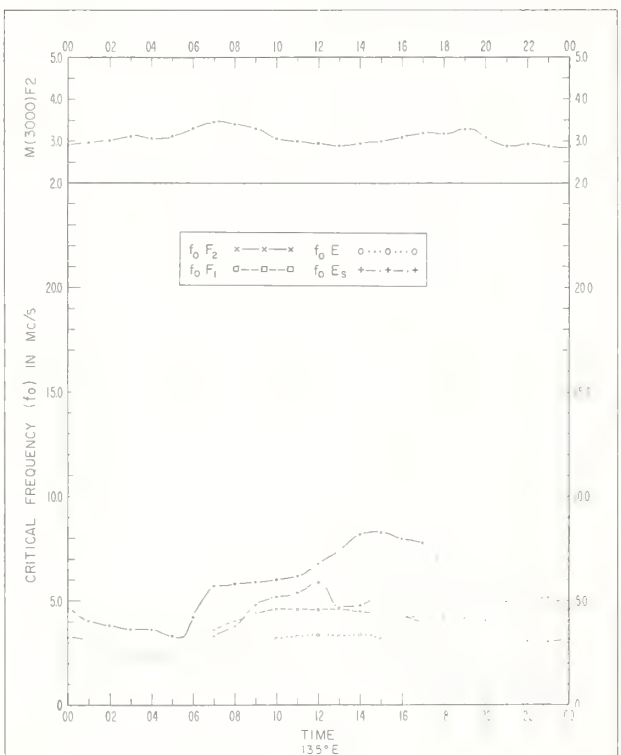

Fig. 72. YAMAGAWA, JAPAN
31.2°N, 130 6°E
AUGUST 1962

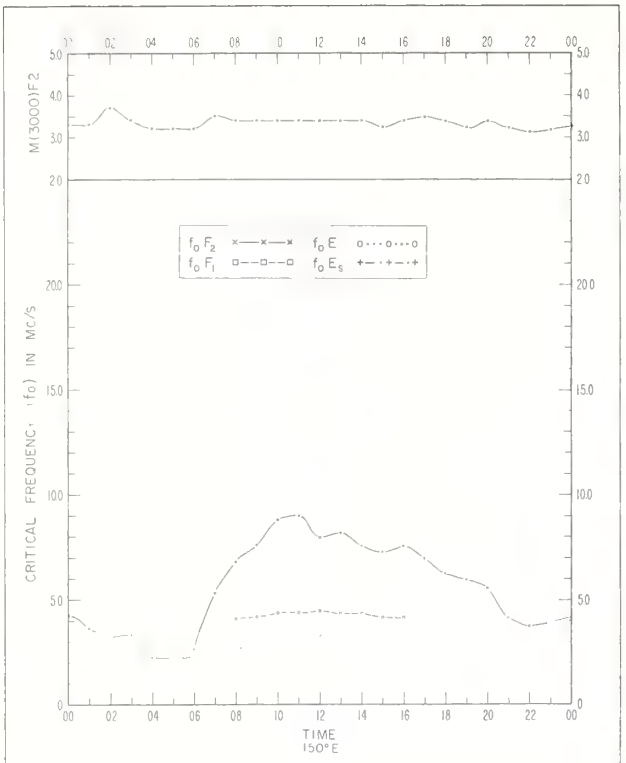

Fig 73 PORT MORESBY, PAPUA
9 4°S, 147 1°E AUGUST 1962

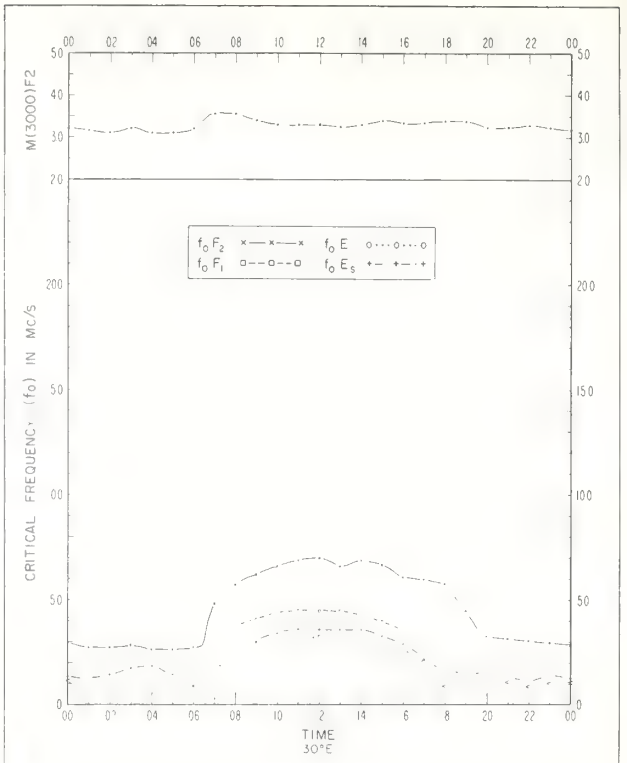

Fig 74 JOHANNESBURG, UNION OF S. AFRICA
26 1°S, 28 1°E AUGUST 1962

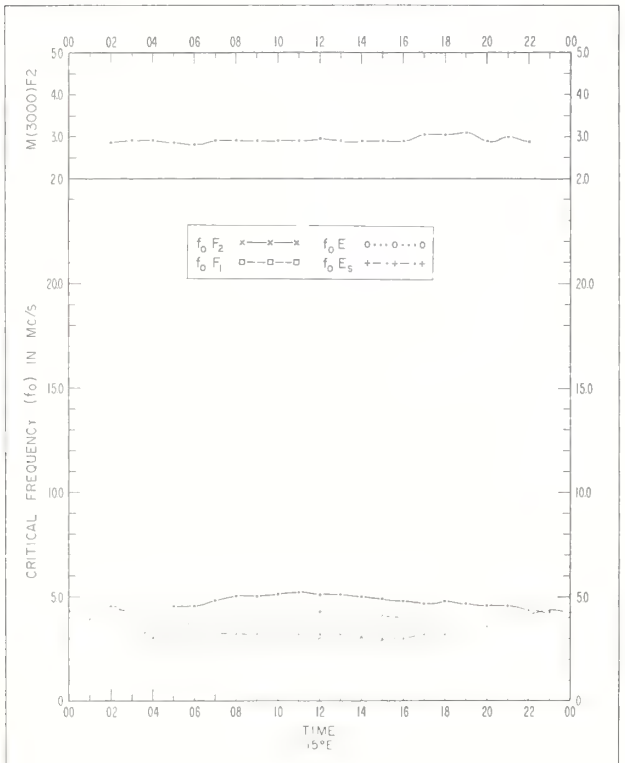

Fig. 75 TROMSO, NORWAY
69 7°N, 19 0°E JULY 1962

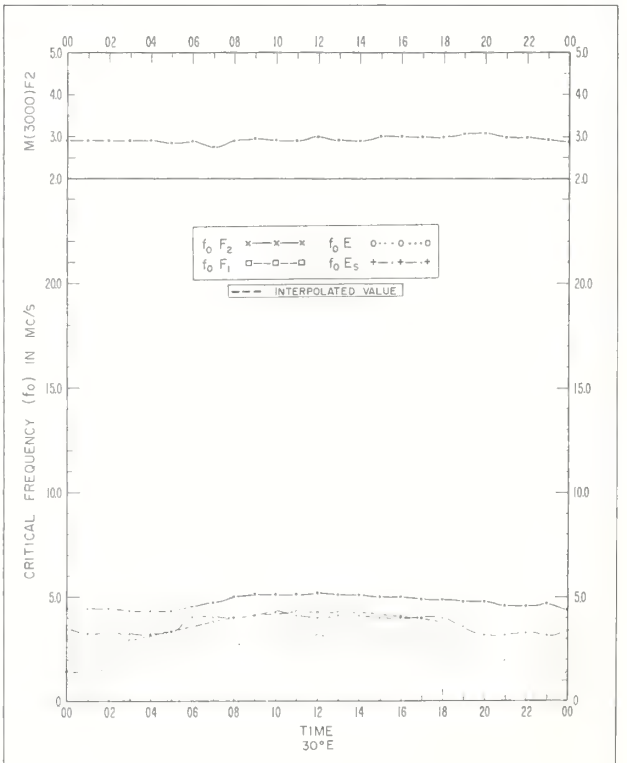

Fig 76 SODANKYLA, FINLAND
67.4°N, 26.6°E JULY 1962

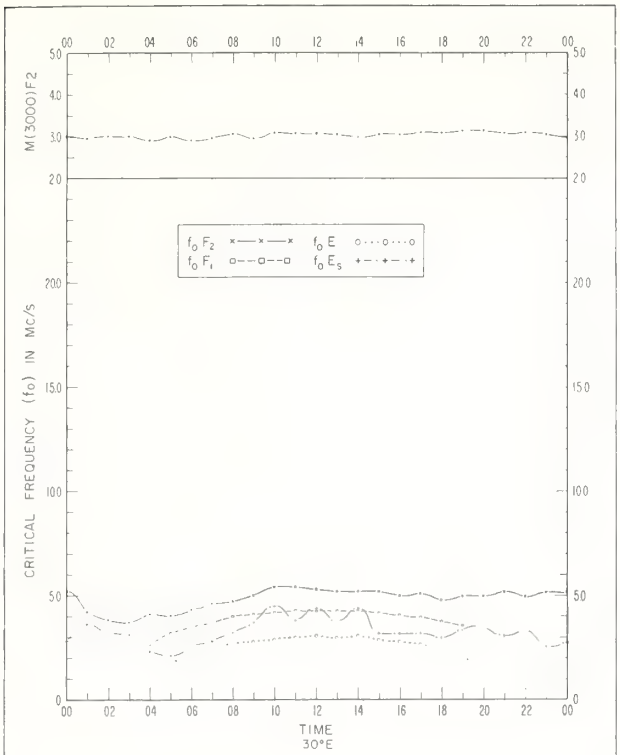

Fig. 77. NURMIJARVI, FINLAND
60.5°N, 24.6°E JULY 1962

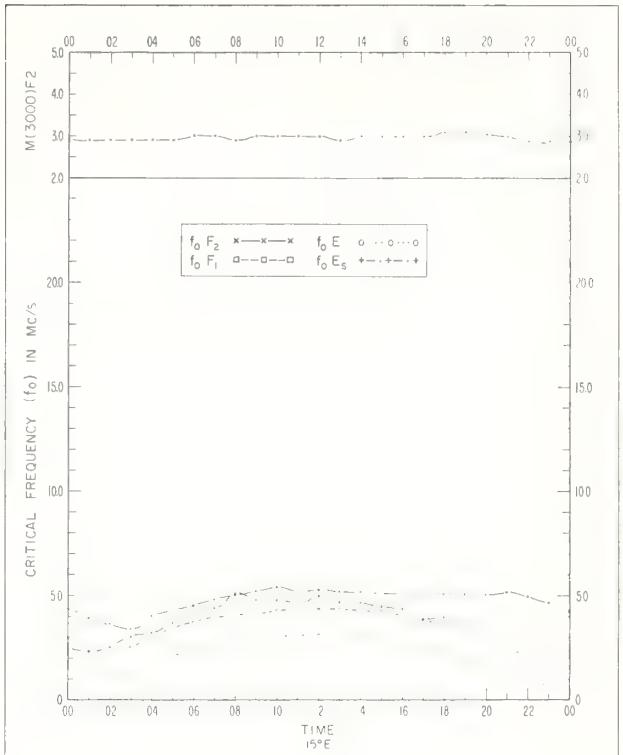

Fig. 78. UPPSALA, SWEDEN
59.8°N, 17.6°E JULY 1962

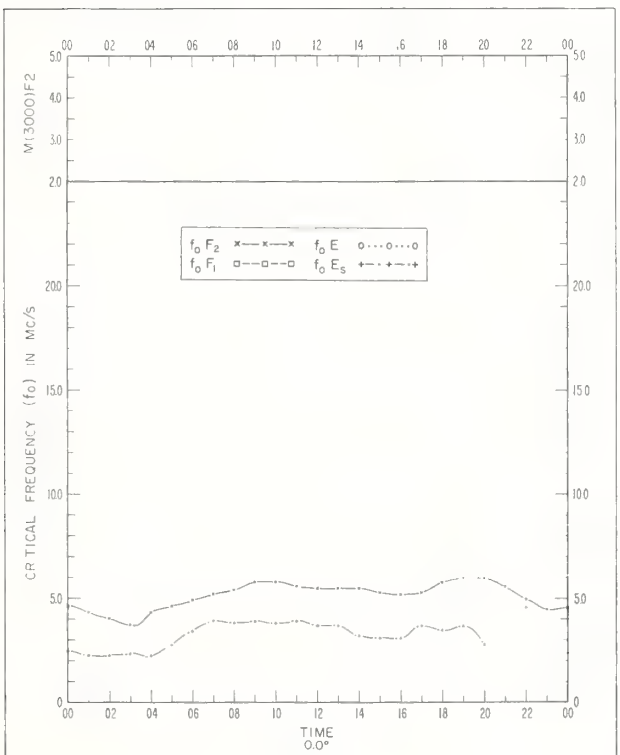

Fig. 79. PRUHONICE, CZECHOSLOVAKIA
50.0°N, 14.6°E JULY 1962

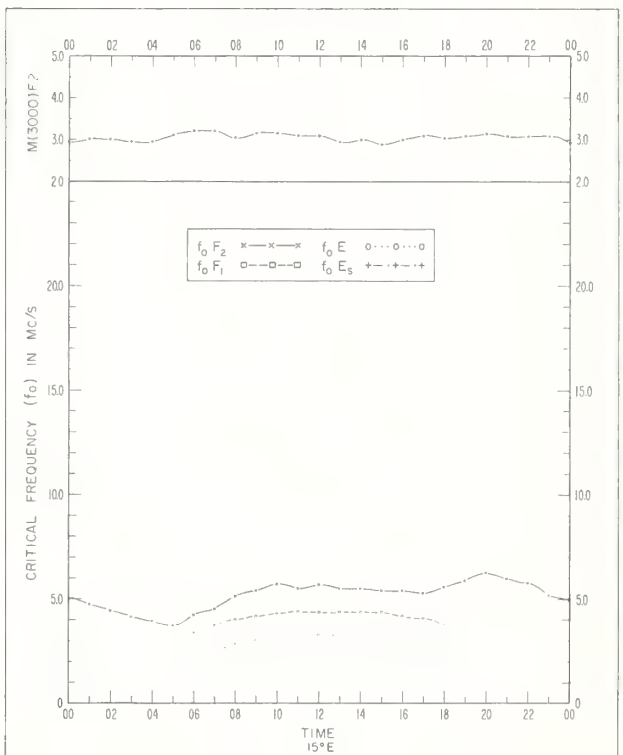

Fig 80 SOTTENS, SWITZERLAND
46.6°N, 6.7°E JULY 1962

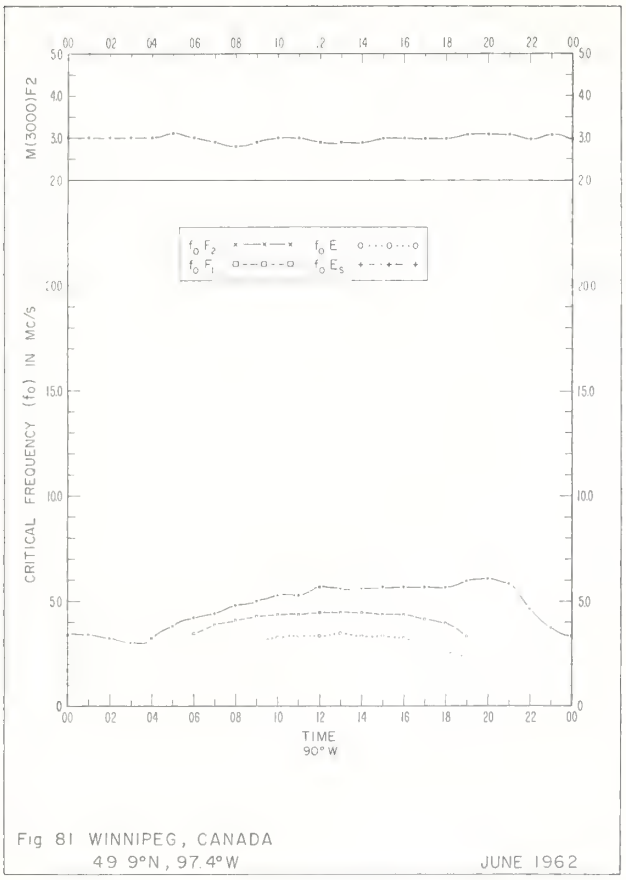

Fig 81 WINNIPEG, CANADA
49 9°N, 97.4°W
JUNE 1962

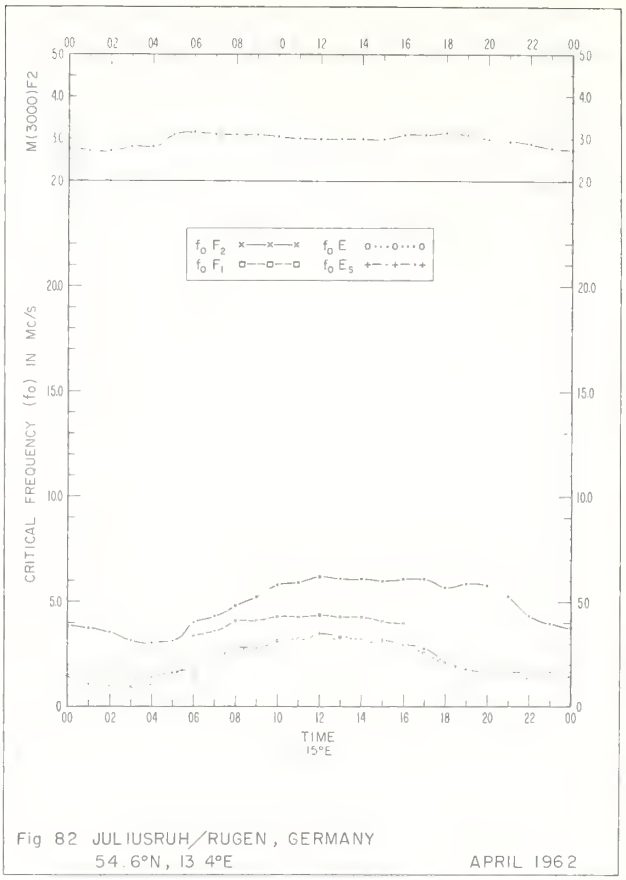

Fig 82 JULIUSRUH/RUGEN, GERMANY
54.6°N, 13.4°E
APRIL 1962

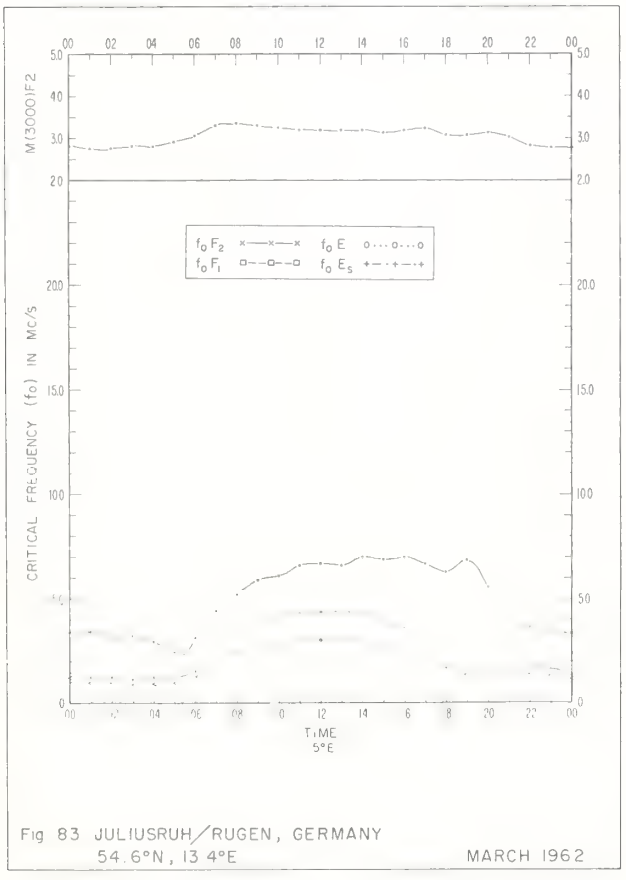

Fig 83 JULIUSRUH/RUGEN, GERMANY
54.6°N, 13.4°E
MARCH 1962

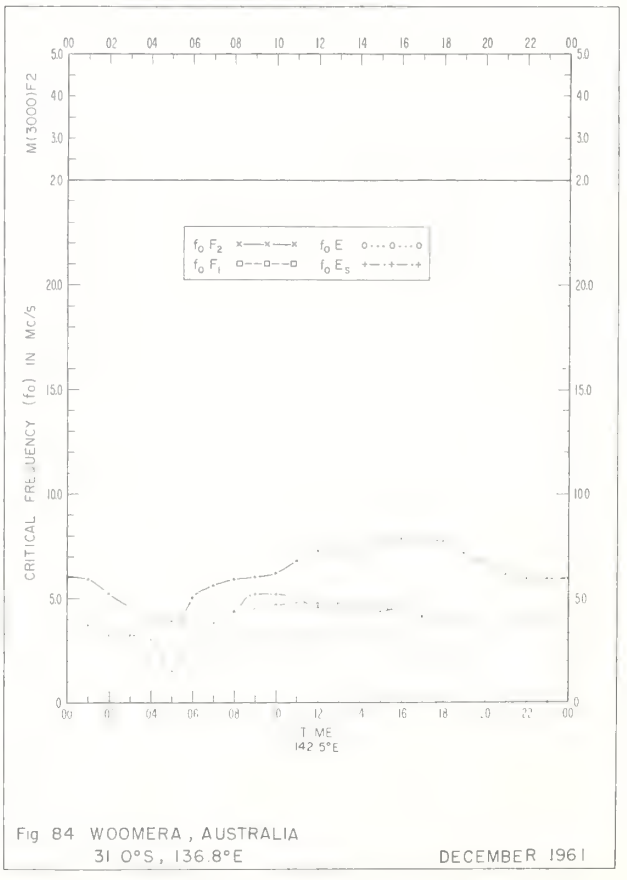

Fig 84 WOOMERA, AUSTRALIA
31.0°S, 136.8°E
DECEMBER 1961

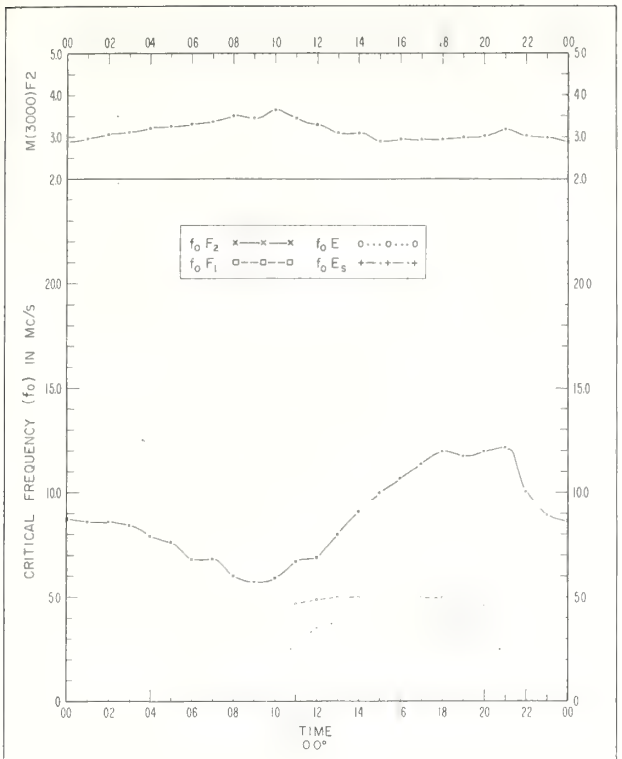

Fig 85. PARAMARIBO, SURINAM
5.8°N, 55.2°W
AUGUST 1961

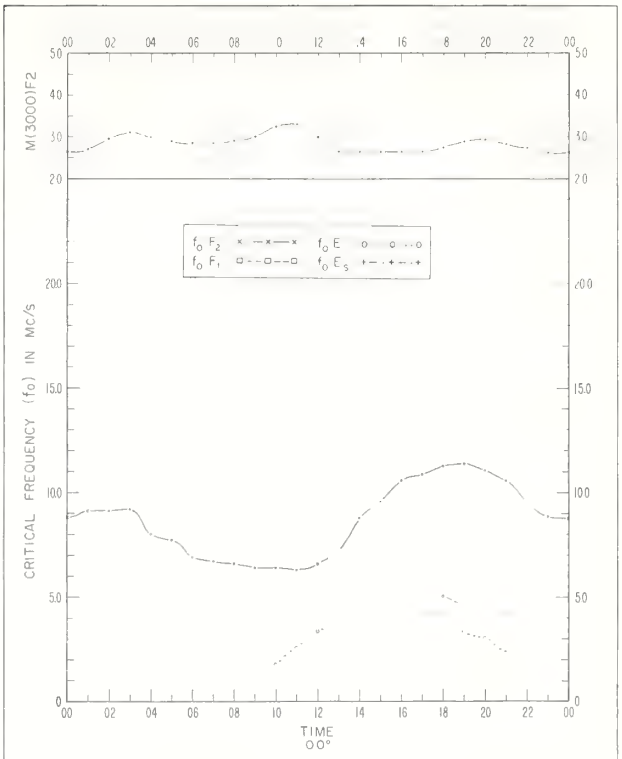

Fig 86. PARAMARIBO, SURINAM
5 8°N, 55 2°W
JULY 1961

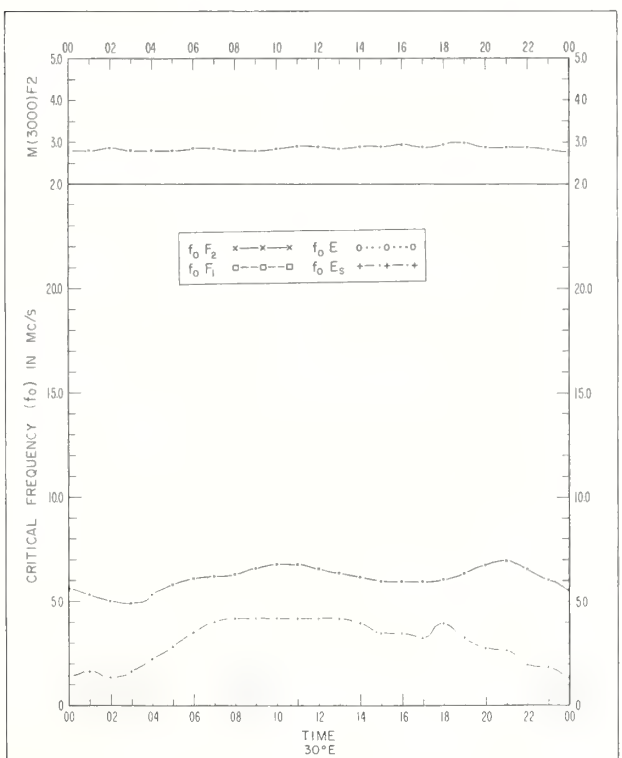

Fig 87. MOSCOW, U.S.S.R.
55.5°N, 37.3°E
JUNE 1961

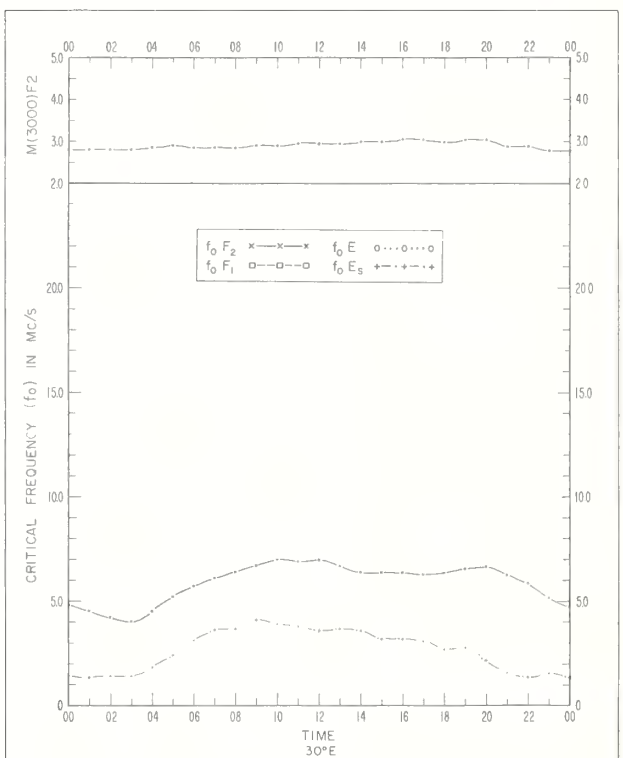

Fig. 88. MOSCOW, U.S.S R
55.5°N, 37 3°E
MAY 1961

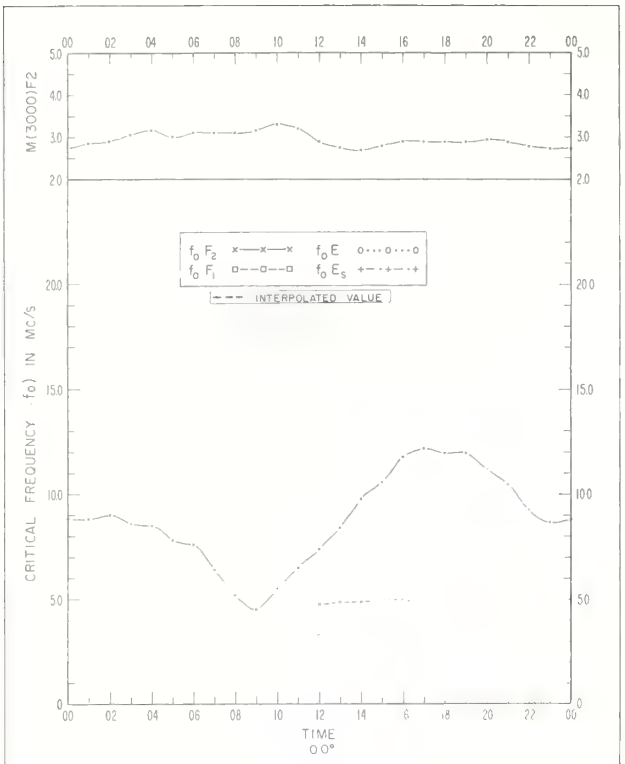

Fig 89 PARAMARIBO, SURINAM
5 8°N, 55 2°W
MAY 1961

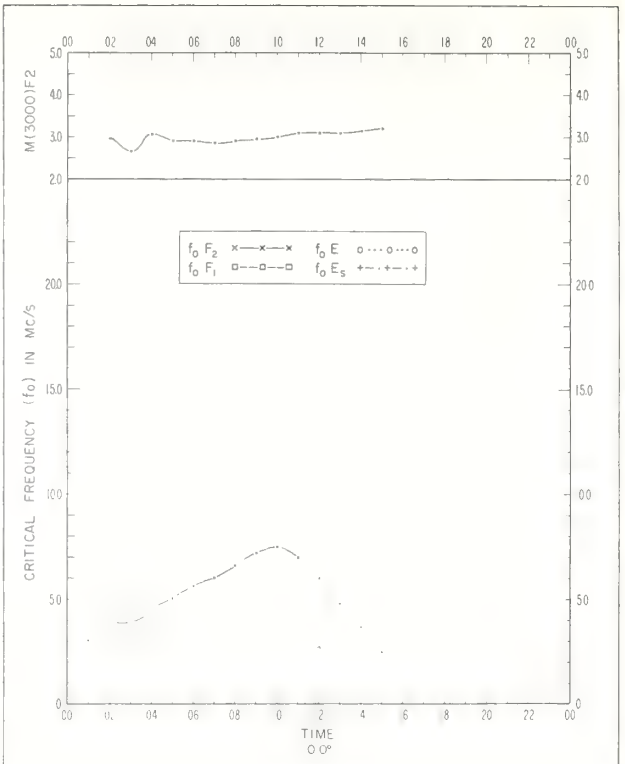

Fig. 90 MAWSON, ANTARCTICA
67 6°S, 62 9°E
APRIL 1961

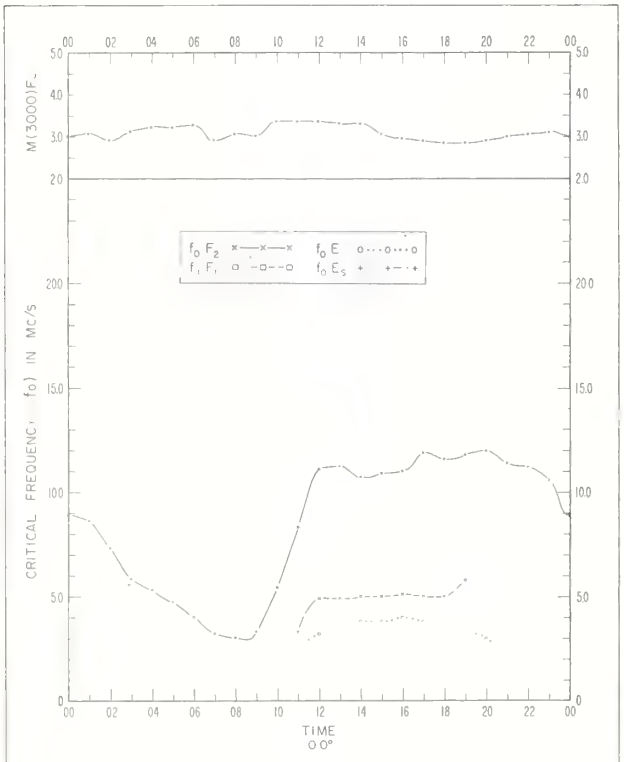

Fig 91 PARAMARIBO, SURINAM
5.8°N, 55 2°W
JANUARY 1961

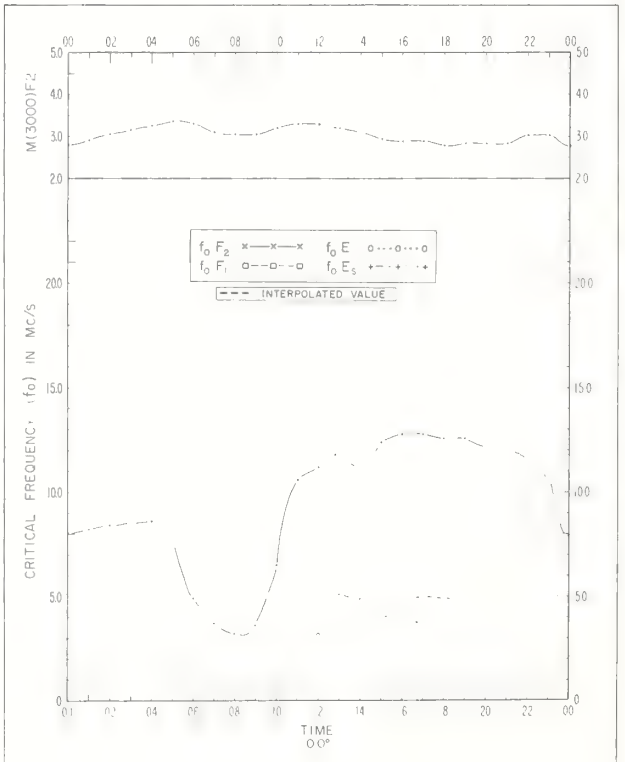

Fig 92 PARAMARIBO, SURINAM
5.8°N, 55 2°W
DECEMBER 1960

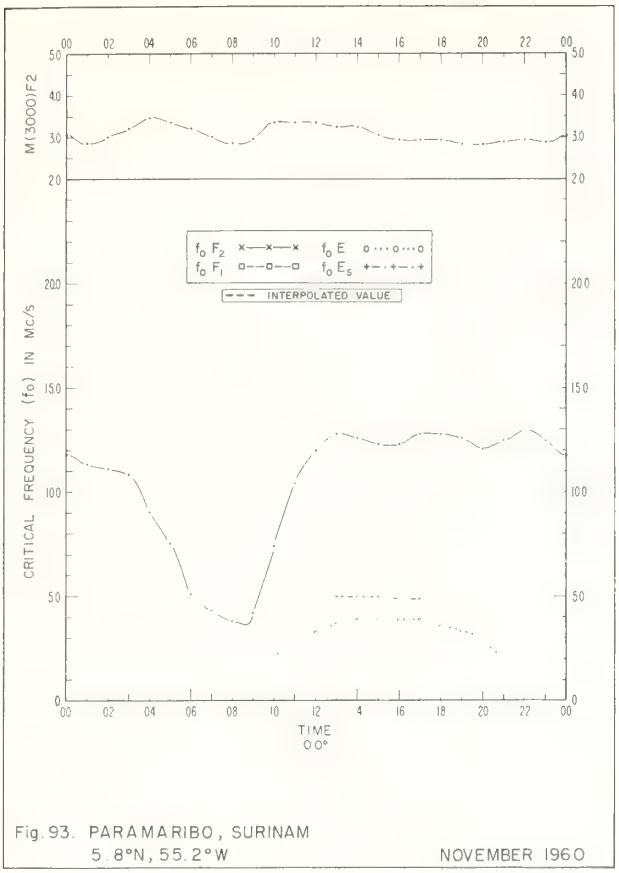

Fig. 93. PARAMARIBO, SURINAM
5.8°N, 55.2°W NOVEMBER 1960

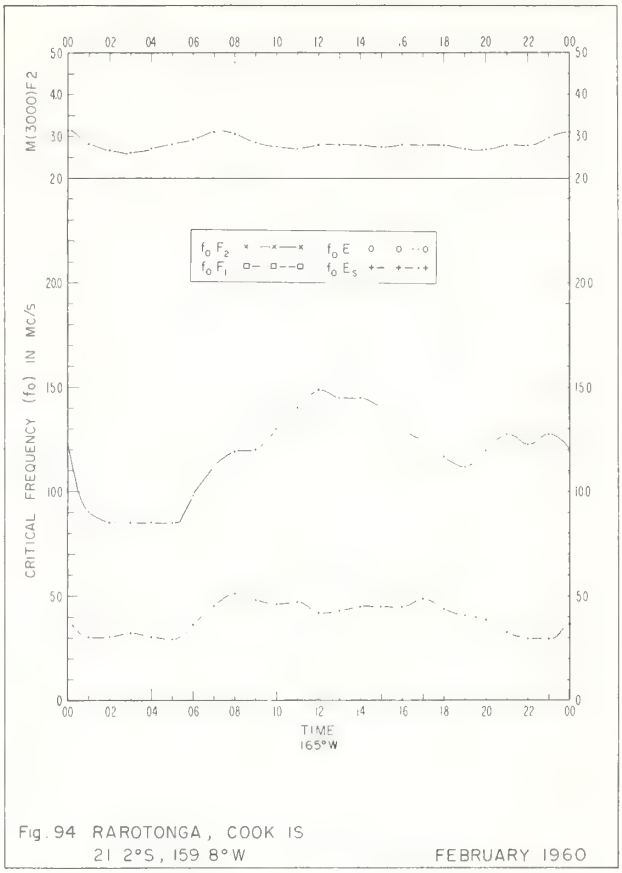

Fig. 94 RAROTONGA, COOK IS
21.2°S, 159.8°W FEBRUARY 1960

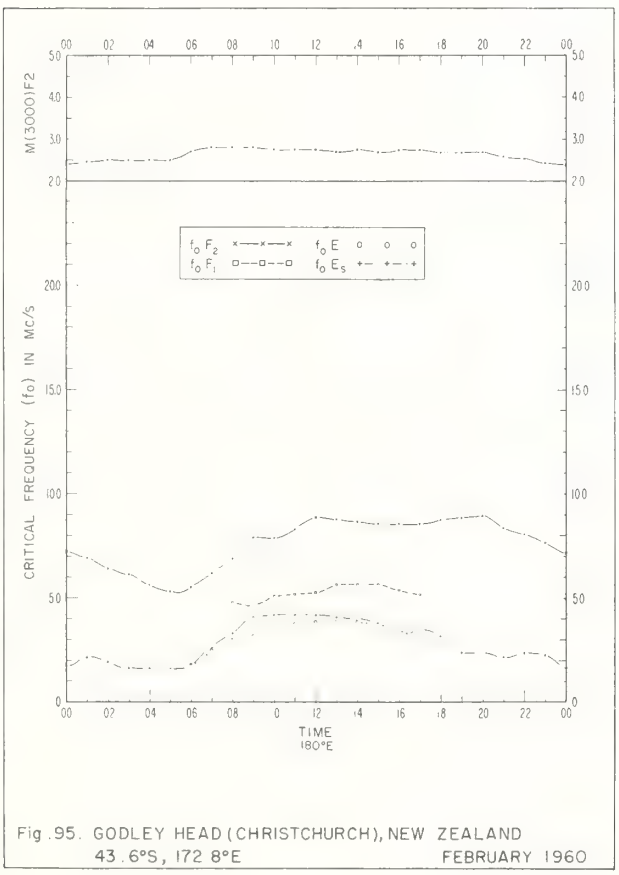

Fig. 95. GODLEY HEAD (CHRISTCHURCH), NEW ZEALAND
43.6°S, 172.8°E FEBRUARY 1960

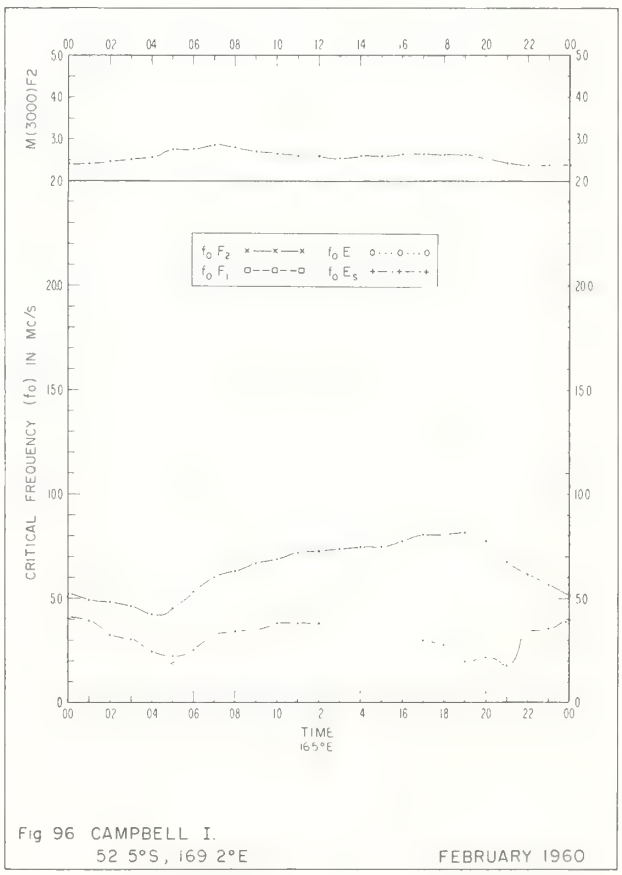

Fig 96 CAMPBELL I.
52.5°S, 169.2°E FEBRUARY 1960

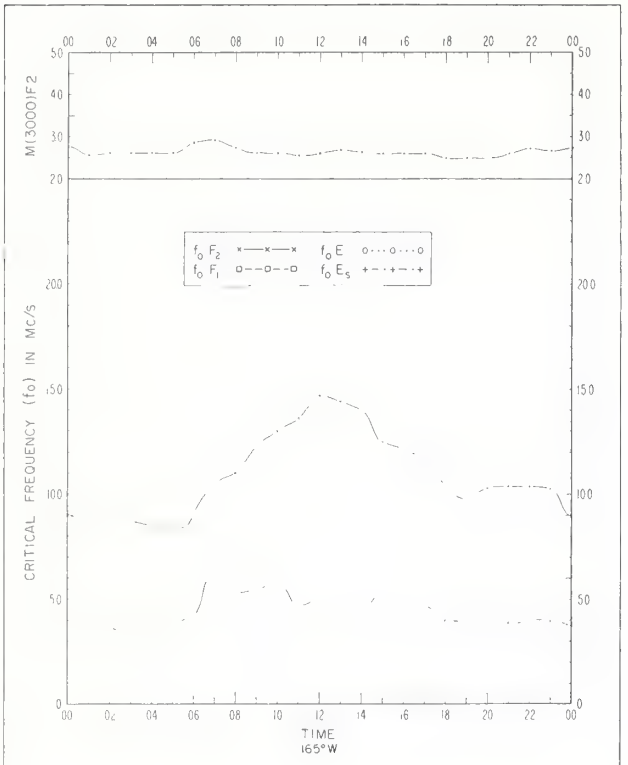

Fig 97 RAROTONGA, COOK IS
21 2°S, 159 8°W JANUARY 1960

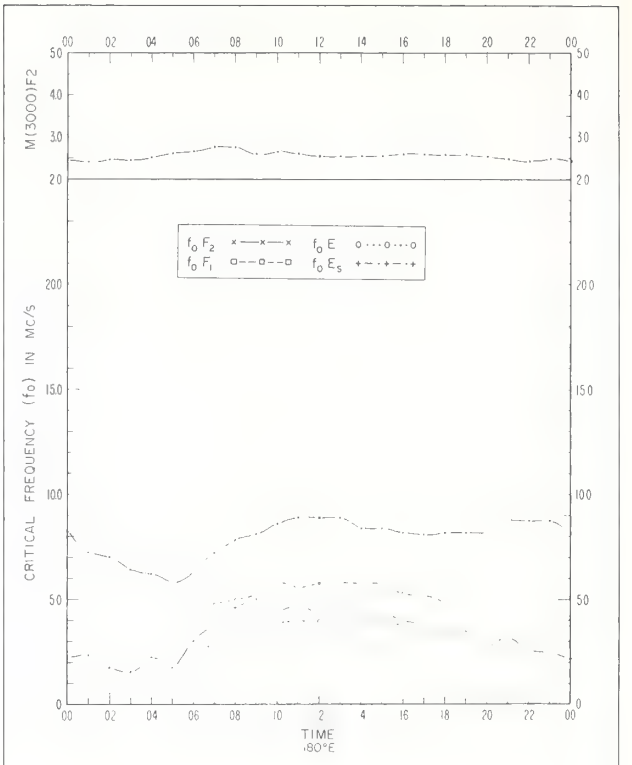

Fig 98. GODLEY HEAD(CHRISTCHURCH), NEW ZEALAND
43.6°S, 172.8°E JANUARY 1960

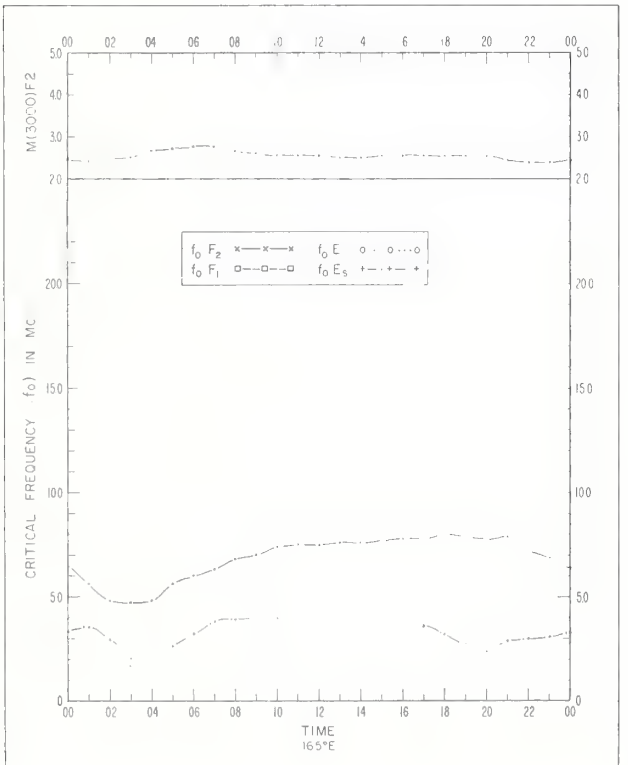

Fig 99 CAMPBELL I
52.5°S, 169 2°E JANUARY 1960

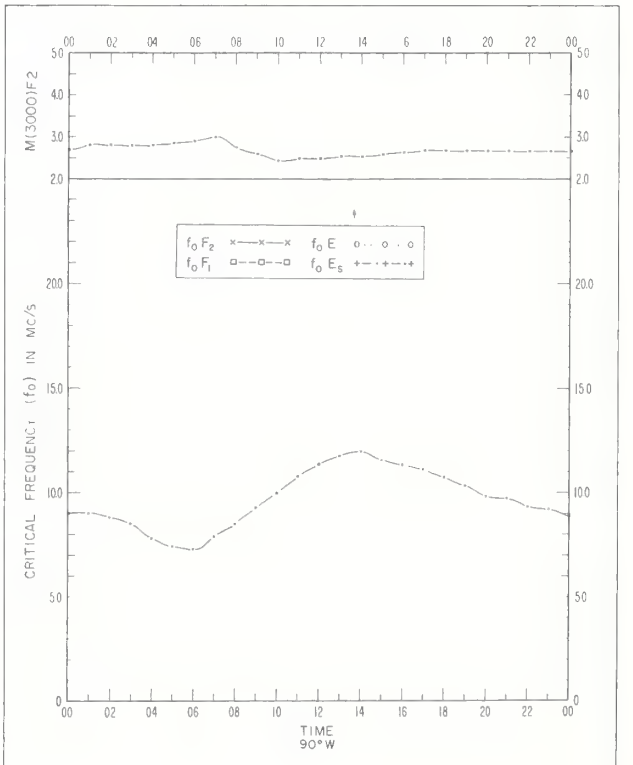

Fig 100. EL CERILLO, MEXICO
19.3°N, 99 5°W JUNE 1959

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